Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Accokeek C	reek
TMDL Group ID:	00816		
VAN-A29R_ACC01A00	Accokeek Creek	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Accokeek Creek, approximately 0.33 rivermile downstream from Route One at rivermile 8.62, and continues downstream until the end of the free-flowing waters.
VA Overall AU Category: 5A Use	Impairment 4.20 MILES	TMDL Group ID First Listed on 303(d) TMDL So	chedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	рН	00816 2004 2016	Sufficient exceedances of the instantaneous pH criterion (2 of 19 samples - 10.5%) were recorded at DEQ's ambient water quality monitoring station (1AACC006.13) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use for the 2006 water quality assessment.
	Sources:	Source Unknown	
TMDL Group ID:	00817		
VAN-A29R_ACC01A00	Accokeek Creek	STAFFORD CO	Segment begins at the confluence with an unnamed tributary to Accokeek Creek, approximately 0.33 rivermile downstream from Route One at rivermile 8.62, and continues downstream until the end of the free-flowing waters.
VA Overall AU Category: 5A Use	Impairment 4.20 MILES	TMDL Group ID First Listed on 303(d) TMDL So	chedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00817 2006 2014	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1AACC006.13) at the Route 608 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
	Sources:	Source Unknown	
TMDL Watershed Name:		Accotink Cr	eek
TMDL Group ID:	00313		
VAN-A15R_ACO01A00	Accotink Creek	FAIRFAX CO	Segment begins at the confluence with Calamo Branch and continues downstream until the tidal waters of Accotink Bay.
VA Overall AU Category: 5A Use Aquatic Life Benthic	Impairment 8.62 MILES E-Macroinvertebrate Bioassessments	TMDL Group ID First Listed on 303(d) TMDL So 00313 1998 2010	chedule Impairment Specific Comments and/or Impairment Specific VA Category
	(Streams) Sources:	Source Unknown	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shen	andoah River Basins		
TMDL Watershed Name:		Accotink Cree	k
TMDL Group ID	01784		
VAN-A15R_ACO01A00	Accotink Creek	FAIRFAX CO	Segment begins at the confluence with Calamo Branch and continues downstream until the tidal waters of Accotink Bay.
VA Overall AU Category: 5A Use	Impairment 8.62 MILES	TMDL Group ID First Listed on 303(d) TMDL Scheo	dule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	01784 2004 2016	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 16 samples - 6.2%) is categorized as fully supporting, no additional data has been collected from the DEQ's ambient water quality monitoring station (1AACO006.10) at Route 790 since the previous assessment window, when the stream reach was first listed as impaired. The segment shall remain categorized as impaired.
	Sources	s: Source Unknown	
TMDL Group ID	60150		
VAN-A15R_ACO04A02	Accotink Creek	FAIRFAX CITY FAIRFAX CO	Segment begins at the confluence with Daniels Run, in the City of Fairfax, and continues downstream until the confluence with Bear Branch.
VA Overall AU Category: 5A Use	Impairment 1.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Scheo	dule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60150 2004 2014	Sufficient exceedances of the instantaneous E.coli bacteria criterion (13 of 13 samples - 100%) were recorded at USGS monitoring station 01653900 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
	Sources	s: Source Unknown	
TMDL Watershed Name:		Aquia Creek	
TMDL Group ID	00811		
VAN-A27R_AUA01A00	Aquia Creek	STAFFORD CO	Segment begins at the confluence with Cannon Creek, approximately 0.1 rivermile downstream from Route 610, and continues downstream until Smith Lake (Aquia Reservoir).
VA Overall AU Category: 5A Use	Impairment 6.59 MILES	TMDL Group ID First Listed on 303(d) TMDL Scher	dule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00811 2006 2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 10 samples - 30.0%) were recorded at DEQ's ambient water quality monitoring station (1AAUA014.51) at the Route 641 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Desmostic		s: Source Unknown	
Recreation	Fecal Coliform	00811 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 18 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (1AAUA014.51) at the Route 641 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	s: Source Unknown	

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Assessment

Unit ID	Waterbody Name	City / Cou	nty*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Aq	uia Creek	
TMDL Group ID:	00811			
TMDL Group ID:	00812			
VAN-A28E_AUA01B00	Aquia Creek	STAFFORD	CO	Segment extends from rivermile 4.28 to rivermile 3.28 in Aquia Creek encompassing a 0.5-mile radius around station 1AAUA003.71. Portion of CBP segment POTOH.
VA Overall AU Category: 5A Use	Impairment 0.37 SQUARE MILES	S TMDL Group ID First Listed on 303(i) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Chloride	00812 2004	2016	For the 2004 assessment, more than two chloride exceedances were recorded within a three-year period resulting in an assessment of not supporting the aquatic life use goal. While the data within the 2006 assessment period show only one exceedance at DEQ ambient station 1AAUA003.71, the impairment remains because no new data has been collected since the last assessment period. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
Wildlife	Chloride	Natural Sources 00812 2004 Natural Sources	2016	For the 2004 assessment, more than two chloride exceedances were recorded within a three-year period resulting in an assessment of not supporting the aquatic life use goal. While the data within the 2006 assessment period show only one exceedance at DEQ ambient station 1AAUA003.71, the impairment remains because no new data has been collected since the last assessment period. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
TMDL Watershed Name:		Au	stin Creek	
TMDL Group ID:	00813			
VAN-A28R_AUS01A04	Austin Run	STAFFORD	СО	Segment begins at the confluence with an unnamed tributary to Austin Run (streamcode XGQ) and continues downstream until the confluence with Aquia Creek.
VA Overall AU Category: 5A Use	Impairment 0.81 MILES	TMDL Group ID First Listed on 303(l) TMDL Schedi	lle Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00813 2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1AAUS000.17) at the end of Aquia Drive to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown		

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Assessment Unit ID	Waterbody Name	City	/ County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:			Babbs Run	
TMDL Group ID:	01596			
VAV-B07R_BAB01A00	Babbs Run	FREI	DERICK CO	Babbs Run from the headwaters downstream to its confluence with Back Creek.
VA Overall AU Category: 5A Use Recreation	Impairment 14.44 MILES Fecal Coliform Sources:	TMDL Group ID First Listed 01596 2004 Source Unknown	on 303(d) TMDL Schedu 2016	le Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:			Back Creek	
TMDL Group ID:	01612			
VAV-B31R_BCK01A00	Back Creek	AUC	GUSTA CO	Back Creek from the headwaters downstream to its confluence with South River.
VA Overall AU Category: 5A Use Aquatic Life Benthic	Impairment 13.36 MILES c-Macroinvertebrate Bioassessments	TMDL Group ID First Listed 01612 2002	on 303(d) TMDL Schedu 2014	le Impairment Specific Comments and/or Impairment Specific VA Category
	(Streams) Sources:	Source Unknown		
TMDL Watershed Name:			Backlick Run	
TMDL Group ID:	00307			
VAN-A13R_BAL01A00	Backlick Run		ANDRIA CITY IRFAX CO	Segment begins at the headwaters of Backlick Run, approximately 0.74 rivermile upstream from Route 620, and continues downstream until the confluence with Holmes Run.
VA Overall AU Category: 5A Use	Impairment 6.45 MILES	TMDL Group ID First Listed	on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00307 2002	2010	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1ABAL001.40) at the Route 401 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown		

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shonan	doah	River	Rasins
	4 4 . T T . C A . A)// <i>C.///////</i>		NIVEI	

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

VAN-A30E_DEE01A00 Deep Creek PRINCE GEORGE CO The segment boundaries were described in the VDH Notice and Description

of Shellfish Area Condemnation Number 36, Upper Machodoc Creek,

Section E, effective 05/08/00, which is no longer effective.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E_GAM01A02 Gambo Creek Gambo Creek KING GEORGE CO The Gambo Creek portion of the condemned area described in VDH Notice

and Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section A, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.16 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Official	Waterbody Name		Oity / Oo	arity	The second secon
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Bay S	egment POT	МН
TMDL Group ID:	01775				
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	
Liid	Source	es: Agriculture Atmospheric Deposi Industrial Point Sour Internal Nutrient Rec Loss of Riparian Hal Municipal Point Sour Sources Outside Sta	rce Discharge cycling bitat rce Discharges ate Juristiction or E		
		Wet Weather Discha	arges (Point Source	e and Combination	n of Stormwater, SSO or CSO)
VAN-A30E_UMC01A02	Upper Machodoc Creek		KING GEOR	GE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section E, effective July 15, 2004. Portion of CBP segment POTMH.
VA Overall AU Category: 5A Use	Impairment 0.01 SQUARE M	ILES TMDL Group ID	First Listed on 303	B(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	
		es: Agriculture Atmospheric Deposi Industrial Point Sour Internal Nutrient Rec Loss of Riparian Hal Municipal Point Sour Sources Outside Sta Wet Weather Discha	rce Discharge cycling bitat rce Discharges ate Juristiction or E		n of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	
	Source	es: Agriculture Atmospheric Deposi Industrial Point Sour Internal Nutrient Rec Loss of Riparian Hal Municipal Point Sour Sources Outside Sta Wet Weather Discha	rce Discharge cycling bitat rce Discharges ate Juristiction or E		n of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAN-A30E_UMC01B06 Upper Machodoc Creek Upper Machodoc Upper

VDH Notice and Description of Shellfish Area Condemnation Number 001A-36. Upper Machodoc Creek, Section A. effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Municipal i onit oodice Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAN-A30E_UMC02A04 Upper Machodoc Creek PRINCE GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section B, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Life

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAN-A30E_UMC03A04 Upper Machodoc Creek PRINCE GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section M1, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.11 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Life

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Mullicipal i olili oodice Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

Waterbody Name City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTMH

TMDL Group ID:

01775

VAN-A30E_UMC04A06

Upper Machodoc Creek

KING GEORGE CO

Segment includes the main body of tidal Upper Machodoc Creek not included in segment VAN-A30E_UMC04B06 or the segments described in

VDH Shellfish Area Condemnation Number 001A-36.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment

pairment 0.91 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01775

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

Loss of Riparian Habitat

01775

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

2006

2006

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

2010

Deep-Water Aquatic Life

er Aquatic Oxygen, Dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

Loss of Riparian Habitat

01775

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Oxygen, Dissolved

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

VAN-A30E_UMC04B06 Upper Machodoc Creek Upper Machodoc Creek beginning KING GEORGE CO Segment includes the portion of Upper Machodoc Creek beginning

upstream at the downstream boundary of shellfish condemnation area D

and continuing until the confluence with Deep Creek.

Portion of CBP segment POTMH.

VA Overall AU Category: **5A**

Use Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aguatic Oxygen, Dissolved 01775 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E_UMC05A02 Upper Machodoc Creek KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36. Upper

Machodoc Creek, Section D, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Unit ID	Waterbody Name		City / Cou	inty*	Assessment Unit Description
Potomac and Shenar	ndoah River Basins				
TMDL Watershed Name:			Bay Se	gment POT	ГМН
TMDL Group ID:	01775				
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	
	Sources	Agriculture Atmospheric Deposition Industrial Point Source Internal Nutrient Recy Loss of Riparian Habit Municipal Point Source Sources Outside State Wet Weather Dischare	e Discharge rcling tat e Discharges e Juristiction or B		on of Stormwater, SSO or CSO)
VAN-A30E_WLL01A02	Williams Creek		KING GEORG	GE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C, effective July 15, 2004. Portion of CBP segment POTMH.
VA Overall AU Category: 5A Use	Impairment 0.13 SQUARE MIL	ES TMDL Group ID Fi	rst Listed on 303((d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	01775	2002	2010	Although the data obtained during the 2006 assessment window show exceedances of the instantaneous dissolved oxygen criterion (0 of 7 - 00.0%), at station 1AWLL001.30, to be categorized as fully supporting, no data has been collected from the DEQ's ambient water quality monitoring stations since the previous assessment window. The segment shall remain categorized as impaired.
	Sources	Agriculture Atmospheric Deposition Industrial Point Source Internal Nutrient Recy Loss of Riparian Habi Municipal Point Source Source Unknown Sources Outside State Wet Weather Dischare	e Discharge rcling tat ee Discharges e Juristiction or B		on of Stormwater, SSO or CSO)
Open-Water Aquatic	Oxygen, Dissolved	01775	2002	2010	
Life	Sources	Agriculture Atmospheric Deposition Industrial Point Source Internal Nutrient Recy Loss of Riparian Habit Municipal Point Source Sources Outside State Wet Weather Dischar	e Discharge rcling tat e Discharges e Juristiction or B		on of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Oxygen, Dissolved

VAN-A30E_WLL02A02 Williams Creek KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and

2002

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section F. effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Aquatic Life

Use **Impairment** 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775

Although the data obtained during the 2006 assessment window show exceedances of the instantaneous dissolved oxygen criterion (0 of 7 samples - 0.00%), at station 1AWLL001.30, and (1 of 10 - 10.0%), at station 1AWLL002.21, to be categorized as fully supporting, no data has been collected from the DEQ's ambient water quality monitoring stations since the previous assessment window. The segment shall

remain categorized as impaired.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Source Unknown

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Open-Water Aquatic Oxygen, Dissolved 01775 2002 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

WESTMORELAND CO VAP-A31E_BRG01A04 **Bridges Creek** Tidal limit to mouth

POTMH

VA Overall AU Category:

Use

Impairment 0.19 SQUARE MILES TMDL Group ID First Listed on 303(d)

TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life 01775 VAP-A31F-02 Oxygen, Dissolved 2006 2010

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shenan	doah	River	Basins
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Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) WESTMORELAND CO Described in previous condemnation notice 088A. VAP-A31E_GLD01A00 **Goldman Creek POTMH** VA Overall AU Category: 5A Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A31E_MAO01A98 **Mattox Creek** WESTMORELAND CO Described in the condemnation notice 002-001B, 11/15/2004.

Segment expanded in 2006 cycle.

POTMH

VA Overall AU Category:

Use

Impairment

0.63 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenani	doah	River	Rasins
I WWIIIWC	unu	HICHUUIL	unui	NUVEI	Dustils

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A31E_MAO02A00 Mattox Creek WESTMORELAND CO Downstream of VDH-DSS condemnation area 001E, 11/15/04.

Segment shortened in 2006 cycle

POTMH

VA Overall AU Category: 54

Use Impairment 0.53 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A31E_MAO03A04 Mattox Creek WESTMORELAND CO As described in VDH Condemnation 002-001E, 11/15/04

Prohibited zone

POTMH

VA Overall AU Category: 5A

Use

Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shenan	doah	River	Rasins
1 viviiiuc	unu	Suchun	uvun	ILLVEI	Dusins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life .

_ . . .

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A31E_MON01A00 Monroe Creek WESTMORELAND CO Prohibited area around STP outfall as described in VDH shellfish

condemnation 002-001D 11/15/2004

РОТМН

VA Overall AU Category: **5A**

Use

Impairment 0.17 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Sher	nandoah River Basins				
TMDL Watershed Name:			Bay S	egment PO	тмн
TMDL Group I	D: 01775				
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
3					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Si	ources: Agriculture Atmospheric Depos Industrial Point Sou Internal Nutrient Re Loss of Riparian Ha Municipal Point Sou Sources Outside St Wet Weather Disch	rce Discharge cycling abitat urce Discharges ate Juristiction or I		tion of Stormwater, SSO or CSO)
VAP-A31E_MON02A98	Monroe Creek		WESTMOREL	AND CO	Described in VDH condemnation notice 002-001A, 11/15/2004
					Expanded in 2006 cycle.
					РОТМН
VA Overall AU Category: 54 Use		RE MILES TMDL Group ID	First Listed on 303	R(d) TMDI Scho	edule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Si	ources: Agriculture Atmospheric Depos Industrial Point Sou Internal Nutrient Re Loss of Riparian Ha Municipal Point Sou Sources Outside St	rce Discharge cycling abitat urce Discharges ate Juristiction or I		tion of Starmwater, SSO or CSO)
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010 2010	ion of Stormwater, SSO or CSO) VAP-A31E-02
Life					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Se	ources: Agriculture Atmospheric Depos Industrial Point Sou Internal Nutrient Re Loss of Riparian Ha Municipal Point Sou Sources Outside St	rce Discharge cycling abitat urce Discharges	Borders	

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Sh	henan	ndoah River Basins				
TMDL Watershed Name	э:			Bay S	Segment PO	ТМН
TMDL Gro	oup ID:	01775	Sources: Wet Weather Discl	narges (Point Sou	rce and Combination	on of Stormwater, SSO or CSO)
VAP-A31E_MON03A98	ı	Monroe Bay		WESTMORE	ELAND CO	Described in VDH condemnation notice 002-001 M1, 11/15/2004
						Size reduced in 2006 cycle
						РОТМН
VA Overall AU Category: Use	5A	Impairment 0.28 squ	IARE MILES TMDL Group ID	First Listed on 30	03(d) TMDL Sched	dule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life		Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
						The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
			Sources: Agriculture			
			Atmospheric Depos	•		
			Industrial Point Sou	Ü		
			Internal Nutrient Re	, ,		
			Loss of Riparian Ha Municipal Point So			
			Sources Outside S	•	r Borders	
						on of Stormwater, SSO or CSO)
Open-Water Aquatic Life		Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A31E_MON04A00 Monroe Bay WESTMORELAND CO Downstream of VDS-DSS condemnation area 001M1, 11/15/04

POTMH

VA Overall AU Category: 5A

Use Impairment 0.52 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins **Bay Segment POTMH** TMDL Watershed Name: TMDL Group ID: 01775 Sources: Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) VAP-A31E_MON05A04 **Monroe Creek** WESTMORFLAND CO Described in VDH Condemnation 001C, 11/15/2004 **POTMH** VA Overall AU Category: 5A **Impairment** 0.00 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah Ri	iver Rasins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A31E POP01A98 **Popes Creek** WESTMORELAND CO Described in condemnation notice.

VA Overall AU Category:

Use

Impairment

0.41 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Oxygen, Dissolved 01775 2006 VAP-A31E-02 Aquatic Life 2010

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved Life

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A31E_ROS01A98 Rosier Creek WESTMORELAND CO Described in VDH condemnation notice 088A, 9/22/2004.

Segment expanded in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name**

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A31E_ROS02A00 **Rosier Creek** WESTMORELAND CO From the downstream limit of segment ROS01A98 to its mouth at the

Potomac River.

Size reduced in 2006

POTMH

VA Overall AU Category:

Impairment Use 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A31E ZZZ01A00 **Unsegmented estuaries in A31** WESTMORELAND CO Unsegmented portion of watershed.

POTMH

VA Overall AU Category: 5A

Use

Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins **Bay Segment POTMH** TMDL Watershed Name: TMDL Group ID: 01775 Sources: Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) VAP-A32E_BAN01A00 **Barnes Creek** WESTMORFLAND CO Downstream of the tidal limit **POTMH** VA Overall AU Category: 5A **Impairment** 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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oxygen criteria during the 2006 cycle.

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and	l Shenandoak	n River Basins

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E BRA01A98 **Branson Cove** WESTMORELAND CO Described in the condemnation notice 083C, 12/18/02

POTMH

VA Overall AU Category:

Use

Impairment

0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A32E_BUB01A04 Buckner Creek WESTMORELAND CO As described in VDH Condemnation 082B, 7/14/04

POTMH

Segment shortened in 2006

VA Overall AU Category: **5A**

Use Impairment 0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E_BUB02A06 Buckner Creek WESTMORELAND CO Downstream of condemnation 004-082B, 7/14/04

POTMH

VA Overall AU Category: **5A**

Use

Impairment 0.29 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoa	h K	River	Basins
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Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) WESTMORELAND CO As described in the condemnation notice 165, 4/27/1989 VAP-A32E_CAP01A04 **Cabin Point Creek POTMH** VA Overall AU Category: 5A Impairment 0.12 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture

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Atmospheric Deposition - Nitrogen Industrial Point Source Discharge

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E_CHB01A98 **Cold Harbor Bay** WESTMORELAND CO Described in the condemnation notice 004-184A, 8/23/04.

POTMH

VA Overall AU Category:

Impairment Use

0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 VAP-A31E-02 Aquatic Life Oxygen, Dissolved 2006 2010

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name**

Potomac and Shenandoah River Bas

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID: 01775

VAP-A32E_CHB02A06 **Cold Harbor Creek** WESTMORELAND CO Described in VDH condemnation 004-184M1, 8/23/2004

POTMH

VA Overall AU Category:

Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic 01775

Oxygen, Dissolved 2006 2010 VAP-A31E-02 Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E CUR01A98 **Currioman Creek** WESTMORELAND CO Described in the condemnation notice 004-184B, 8/23/2004.

Square mileage adjusted in 2006.

POTMH

VA Overall AU Category:

Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shenan	doah	River	Basins
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Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved

Life

01775 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

WESTMORELAND CO Downstream of Currioman Creek. VAP-A32E_CUR02A00 **Currioman Bay**

POTMH

VA Overall AU Category: 5A

Impairment Use

0.72 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac a	and Shena	indoah R	River Basins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E_GLB01A00 Glebe and Ames Creeks WESTMORELAND CO Downstream of tidal limit.

POTMH

Mileage adjusted in 2006

VA Overall AU Category:

Impairment Use

0.24 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Chanan	doah	Dingr	Racina
Folomuc	unu.	snenun	uvun	Niver	Dusins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

VAP-A32E_LOW01A04 Lower Machodoc Creek WESTMORELAND CO As described in VDH condemnation notice 083A, 12/18/2002.

Listed in 1998. Mileage adjusted in 2006

POTMH

VA Overall AU Category: 5

Use Impairme

Impairment 0.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2004 2010** VAP-A31E-02 & 2004 fact sheet VAP-A32E-08

In 2004, the segment was also considered not supporting of the Aquatic Life Use due to dissolved oxygen violations at 1ALOW004.73 in 2004. The DO TMDL was due in 2016. The DO standard for the Chesapeake Bay tidal waters has been changed and the impairment is now incorporated by the POTMH-wide impairment for dissolved oxygen in 2006 (VAP-A31E-02).

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2004 2010 VAP-A31E-02

Life

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name**

Potomac	and S	Shenani	doah	River	Rasins
I WWIIIWC	unu	HICHUUIL	unui	NUVEI	DUNIII

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID: 01775

VAP-A32E_LOW02A00 **Lower Machodoc Creek** WESTMORELAND CO Boundary of condemned area 083A, 12/18/2002 downstream to start of

deep water use at approx. rivermile 0.5.

POTMH

Mileage adjusted in 2006

VA Overall AU Category:

Impairment Use 1.91 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E LOW03A06 **Lower Machodoc Creek WESTMORELAND CO** Start of Deep Water Use at approximately rivermile 0.5 to mouth

POTMH

VA Overall AU Category: 5A

Impairment 1.18 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment Unit ID

Waterbody Name City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTMH

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

In addition, isolated areas of the tributaries are classified as deep water or deep channel. These areas also failed their applicable dissolved oxygen criteria in 2006.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shena	andoah	River	Rasins
I VIVIIIUC	unu snem	uuuvuu .	Nivei	Dusiiis

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A32E_NOM01A04 **Nomini Creek** WESTMORELAND CO As described in VDH Shellfish Condemnation 082A, 7/14/2004.

Extended from 1998 and now incorporates the previous Pierce Creek

condemnations.

POTMH

VA Overall AU Category:

Impairment Use 0.53 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shonan	doah	River	Rasins
				NIVEI	

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A32E_NOM02A00 **Nomini Creek** WESTMORELAND CO Downstream condemnation boundary to the start of the deepwater use at

approximately river mile 1.

In 2006, segment was merged with VAP-A32E NOM03A00 and the downstream boundary adjusted slightly to reconcile with the deepwater

boundary.

POTMH

VA Overall AU Category: 5A

Impairment 2.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved

Life

01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTMH

2010

TMDL Group ID:

01775

VAP-A32E_NOM04A00

Nomini Creek

WESTMORELAND CO

Downstream of deepwater use boundary at approx. river mile 1.0.

POTMH

VA Overall AU Category:

Use

Impairment

2.52 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775

2002

VAP-A31E-02 and VAP-A32E-07

The segment was initially assessed as not supporting of the Aquatic Life use support goal in 2002 because of a dissolved oxygen violation rate of 2/5 at 1ANOM000.50. A depth profile consisting of 5 samples was taken 8/29/1996. The deepest two samples violated the standard. During the 2006 cycle, the DO standard in the Chesapeake Bay and its tidal tributaries was converted to a segment-wide standard. The deepwater dissolved oxygen standards in the mesohaline Potomac both violated in 2006. This deepwater impairment is now included as part of VAP-A31E-02.

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Changes in Ordinary Stratification and Bottom Water Hypoxia/Anoxia

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life

Oxygen, Dissolved

01775

2002

2010

VAP-A31E-02

Isolated areas of the Potomac mesohaline tributaries are classified as deep water or deep channel. These areas failed their applicable dissolved oxygen criteria in 2006.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life

Oxygen, Dissolved

01775

2002

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac a	ind Shena	ndoah Ri	ver Basins
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TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E_NOP01A02 North Prong Buckner Creek WESTMORELAND CO Described in the condemnation notice 004-082C, 7/14/2004.

POTMH

Mileage adjusted in 2006

Mileage adjusted in 2006

VA Overall AU Category: 5A

Use Impairme

Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and!	Chonani	doah	River	Rasins
I WWIIIUC	WILL L	onenun	u	Nivei	DUSLILS

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A32E_WEA01A00 Weatherall Creek WESTMORELAND CO Downstream of condemnation 083B, 12/18/2002

POTMH

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

-

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A32E WEA02A04 Weatherall Creek WESTMORELAND CO As described in VDH Shellfish condemnation 083B, 12/18/2002.

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

 Aquatic Life
 Oxygen, Dissolved
 01775
 2006
 2010
 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

OTHERD	Tratorbody Hamo		Oity / Ooui	···y	The state of the s
Potomac and Shenai	ndoah River Basins				
TMDL Watershed Name:			Bay Seg	gment PO	ТМН
TMDL Group ID:	01775				
		es: Loss of Riparian Habita Municipal Point Source Sources Outside State Wet Weather Discharge	Discharges Juristiction or Bo		ion of Stormwater, SSO or CSO)
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life	Source	es: Agriculture			The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Atmospheric Depositior Industrial Point Source Internal Nutrient Recycl Loss of Riparian Habita	Discharge ling		
		Municipal Point Source	Discharges		
		Sources Outside State Wet Weather Discharge			ion of Stormwater, SSO or CSO)
VAP-A32E_ZZZ01A00	Unsegmented estuaries in A32	V	VESTMORELA	ND CO	Unsegmented portion of watershed.
					РОТМН
VA Overall AU Category: 5A Use	Impairment 0.25 SQUARE N	IILES TMDL Group ID Firs	t Listed on 303(d	I) TMDL Sche	dule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Source	es: Agriculture	NPI		
		Atmospheric Deposition Industrial Point Source Internal Nutrient Recycl	Discharge		
		Loss of Riparian Habita Municipal Point Source	t		
		Sources Outside State			ion of Stormwater, SSO or CSO)
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life					The mesohaline portion of the Potomac failed the open water summer dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

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oxygen criteria during the 2006 cycle.

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River	' Basins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E BOM01A98 **Bonum Creek** WESTMORELAND CO Described in the condemnation notice 006-159, 7/2/2002.

Square mileage was changed in 2006 condemnation, although the area

remained the same.

POTMH

VA Overall AU Category:

Aquatic Life

Use

Impairment

Oxygen, Dissolved

0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01775 2006 2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

Impairment Specific Comments and/or Impairment Specific VA Category

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenan	doah	River	Rasins
1 OlUlliuc	unu L	Juchun	uvun	ILLVEI	Dusins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A33E_DRM01A06 Drum Cove NORTHUMBERLAND CO Described in 007-028D, 07/21/2004

POTMH

Segment shortened in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

VAP-A33E_DUA01A04 Dungan Cove NORTHUMBERLAND CO As described in VDH Shellfish Condemnation 007-028G, 7/14/2006

Mileage adjusted slightly in 2006 although area did not change.

POTMH

VA Overall AU Category: 54

Use Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_DUA02A00 Dungan Cove NORTHUMBERLAND CO Downstream of condemnation notice 028G, 7/14/2004

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins **Bay Segment POTMH** TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) WESTMORELAND CO Described in the condemnation notice 143, 7/2/2002. VAP-A33E_GAD01A98 **Gardner Creek** Size adjusted in 2006 cycle **POTMH** VA Overall AU Category: Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life

Sources: Agriculture

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The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Sh	onanda	ah Ri	vor R	acinc
	<i>U.F.U.</i> . 3 <i>F I</i>	eriuriui.	,,,,,,	vei m	

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_GAD02A00 **Gardner Creek** WESTMORELAND CO Downstream of Segment VAP-A33E_GAD01A98.

POTMH

VA Overall AU Category:

Use

Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic 01775 Oxygen, Dissolved 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac and Shenandoah River Bas

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A33E_HAM01A02 Hampton Hall Branch, Kinsale Branch NORTHUMBERLAND CO WESTMORELAND CO

Described in the condemnation notice 007-028C, 7/21/2004. Segment expanded and incorporated the segment VAP-A33E_KIS01A00 in 2006

POTMH

VA Overall AU Category: 5A

Aquatic Life

Use

Impairment

Oxygen, Dissolved

0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01775

2006

Impairment Specific Comments and/or Impairment Specific VA Category

2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

WESTMORELAND CO. Described in the condemnation notice 144, 7/2/2002 VAP-A33E JCK01A98 Jackson Creek

POTMH

Square mileage adjusted in 2006, although area did not change

VA Overall AU Category:

Impairment Use

0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Oxygen, Dissolved 01775 2006 VAP-A31E-02 Aquatic Life 2010

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_LOG01A98 **Lodge Creek** NORTHUMBERLAND CO Described in the condemnation notice 007-028H, 7/14/2004.

POTMH

VA Overall AU Category: 5A

Impairment Use

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Unit ID	waterbody Name		City / Co	unty [*]	Assessment onit Description
Potomac and Shenar	ndoah River Basins				
TMDL Watershed Name:			Bay S	egment PO	ТМН
TMDL Group ID:	01775				
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life	Source	es: Agriculture Atmospheric Deposi Industrial Point Sour	rce Discharge		The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Internal Nutrient Red Loss of Riparian Ha Municipal Point Sou Sources Outside Sta Wet Weather Discha	bitat rce Discharges ate Juristiction or I		ion of Stormwater, SSO or CSO)
VAP-A33E_LOG02A98	Lodge Creek		NORTHUMBER	RLAND CO	Described in the condemnation notice 007-028F, 7/21/2004.
					Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed.
					РОМТН
VA Overall AU Category: 5A Use	Impairment 0.25 SQUARE N	MILES TMDL Group ID	First Listed on 303	3(d) TMDL Scheo	dule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Source	es: Agriculture Atmospheric Deposi	ition - Nitrogen		
		Industrial Point Sour	rce Discharge		
		Internal Nutrient Red Loss of Riparian Ha	-		
		Municipal Point Sou Sources Outside Sta	_	Pordore	
					ion of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
LIIC					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Source	es: Agriculture Atmospheric Deposi Industrial Point Soui Internal Nutrient Rec Loss of Riparian Ha Municipal Point Soui Sources Outside Sta	rce Discharge cycling bitat rce Discharges	Borders	

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah	River	Basins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_MIA01A98 Mill Creek NORTHUMBERLAND CO Described in the condemnation notice 07/21/2004.

Segment expanded in 2006

POTMH

VA Overall AU Category:

Use

Impairment

0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Life

Oxygen, Dissolved

01775

2006

2010

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shonani	doah	River	Rasins
I WWW.		. > / 1. 6. / 1. (1. / 1. (,	NIVEI	

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A33E_MIA02A02 Mill Creek from MIA01A98 to the mouth.

Segment shortened in 2006

POTMH

VA Overall AU Category: 54

Use Impairment 0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_RAG01A06 Ragged Point Bay NORTHUMBERLAND CO Described in VDH-DSS condemnation 006-M208, 4/13/1989

WESTMORELAND CO
POTMH

VA Overall AU Category: **5A**

Use Impairment 0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac a	ind Shena	ndoah Ri	ver Basins
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Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) WESTMORELAND CO Described in the condemnation notice 007-028A, 07/21/2004. VAP-A33E_SHA01A98 **Shannon Branch POTMH** VA Overall AU Category: 5A Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture

> Atmospheric Deposition - Nitrogen Industrial Point Source Discharge

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shei	nandoah	River	Basins
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TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_SHA02A00 Shannon Branch WESTMORELAND CO Downstream of SHA01A98.

POTMH

VA Overall AU Category: 54

Use Impairme

Impairment 0.13 So

0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and S	Shonan	doah	River	Rasins
	4 4 . T T . C A . A)// <i>C.//////</i>		NIVEI	

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID: 01775

VAP-A33E_SHA03A06 **Shannon Branch** WESTMORELAND CO Described in VDH-DSS condemnation 007-028M1, 07/21/2004

POTMH

VA Overall AU Category:

Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E SOV01A02 **South Yeocomico River** NORTHUMBERLAND CO South Yeocomico River except Dungan Cove

Sq. mileage adjusted in 2006

POTMH

VA Overall AU Category:

Impairment 0.83 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name**

Potomac (and S	Shenandoah	River	Basins
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Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) NORTHUMBERLAND CO Described in VDH-DSS condemnation 007-028M4, 7/21/2004 VAP-A33E_SOV02A06 **South Yeocomico River POTMH** VA Overall AU Category: 5A Impairment 0.11 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
FOIOMAC	unu Snen	lurluqur	niver	DUSLIIS

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_WES01A06 **West Yeocomico River** WESTMORELAND CO Described in VDH-DSS condemnation 007-028M3, 07/21/2006

POTMH

VA Overall AU Category:

Use

Impairment

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 VAP-A31E-02 Aquatic Life Oxygen, Dissolved 2006 2010

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name**

Potomac and Shenandoah River Bas

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A33E_WES02A06 **West Yeocomico River** NORTHUMBERLAND CO Downstream of condemnations

WESTMORELAND CO

POTMH

VA Overall AU Category:

Use

Impairment 0.38 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E WHP01A98 White Point Creek WESTMORELAND CO Described in the condemnation notice 007-028B, 07/21/2004.

Size adjusted in 2006 cycle.

POTMH

VA Overall AU Category:

Use

Impairment 0.08 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins **Bay Segment POTMH** TMDL Watershed Name: TMDL Group ID: 01775 Sources: Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) WESTMORELAND CO Downstream of segment WHP01A98. VAP-A33E_WHP02A00 **White Point Creek** Segment shortened in 2006 **POTMH** VA Overall AU Category: Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01775 2006 2010 VAP-A31E-02 Oxygen, Dissolved The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Bas

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_WHP03A06 **NW Yeocomico (White Point Creek/Shannon** WESTMORELAND CO Described in VDH-DSS condemnation 007-028M2, 07/21/2004

Branch)

POTMH

VA Overall AU Category: 5A

Use

Impairment

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic 01775 Oxygen, Dissolved 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A33E_YEO01A02 **Yeocomico River and Tributaries** NORTHUMBERLAND CO WESTMORELAND CO

Yeocomico River

POTMH

VA Overall AU Category:

Use

Impairment

1.84 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775

2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

In addition, a portion of the Yeocomico was classified as deep water. The deepwater Potomac mesohaline areas also failed their applicable dissolved oxygen criteria in

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Deep-Water Aquatic Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

In addition, a portion of the Yeocomico was classified as deep water. The deepwater Potomac mesohaline areas also failed their applicable dissolved oxygen criteria in

2006.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A33E_ZZZ01A00 **Unsegmented estuaries in A33** NORTHUMBERLAND CO Unsegmented portion of the watershed.

WESTMORELAND CO

POTMH

VA Overall AU Category:

Impairment Use

0.73 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Oxygen, Dissolved 01775 VAP-A31E-02 Aquatic Life 2006 2010

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved

Life

01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenani	doah	River	Rasins
I WWIIIWC	unu	HICHUUIL	unui	NUVEI	DUNIII

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A34E_BOT01A04 Boathouse Creek NORTHUMBERLAND CO As described in VDH Shellfish Condemnation 008-214F, 12/29/2003

POTMH

VA Overall AU Category: 5A

Use Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life Character Aquatic Character Cha

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E BRD01A98 Bridgeman Creek NORTHUMBERLAND CO Described in the condemnation notice 009-142A, 12/22/2004.

Sq. mileage adjusted in 2006 although area did not change

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenando	oah River Basi	ns
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Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Bay Se	egment PO	ТМН
TMDL Group ID:	01775				
	Sou	rces: Industrial Point Sour Internal Nutrient Rec Loss of Riparian Hab Municipal Point Sour Sources Outside Sta Wet Weather Discha	ycling oitat ce Discharges te Juristiction or E		on of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
LIIE	Sou	rces: Agriculture Atmospheric Deposit Industrial Point Sour	ce Discharge ycling		The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
		Loss of Riparian Hab Municipal Point Sour			
		Sources Outside Sta Wet Weather Discha			on of Stormwater, SSO or CSO)
VAP-A34E_COA01A02	Coan River	ı	NORTHUMBER	LAND CO	Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not otherwise segmented.
					Size adjusted in 2006
					РОТМН
VA Overall AU Category: 5A Use	Impairment 0.02 SQUARE	MILES TMDL Group ID F	First Listed on 303	(d) TMDL Scheo	dule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sou	rces: Agriculture Atmospheric Deposit Industrial Point Sour Internal Nutrient Rec Loss of Riparian Hab Municipal Point Sour Sources Outside Sta Wet Weather Discha	ce Discharge ycling oitat ce Discharges te Juristiction or E		on of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02

Sources: Agriculture

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and	Shonandoah	River	Rasins
	Snenanaoan	NIVEI	

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_COA01A06 Coan River NORTHUMBERLAND CO Described in SFC 008-214E, 12/29/2003 not otherwise segmented.

POTMH

VA Overall AU Category:

Impairment Use

0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic 01775 Oxygen, Dissolved 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name**

Potomac	and Shena	andoah	River	Rasins
I VIVIIIUC	unu snem	uuuvuu .	Nivei	Dusiiis

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A34E_COA01A98 Coan River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not

otherwise segmented.

POTMH

VA Overall AU Category:

Use **Impairment** 0.33 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

2006 2010 VAP-A31E-02 Oxygen, Dissolved 01775 Aquatic Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

NORTHUMBERLAND CO From SFC 008-214E, 12/29/2003 to its mouth at the Potomac, excluding VAP-A34E COA02A02 Coan River

otherwise segmented waterbodies.

Segment adjusted in 2006 cycle

POTMH

VA Overall AU Category:

Use

Impairment 2.65 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Aquatic Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoa	ih K	River	Basins
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TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling

Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen
Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_COC01A98 Cod Creek NORTHUMBERLAND CO Described in the condemnation notice 009-141A, 12/22/04.

Segment extended in 2006 into 2004 segment VAP-A34E COC02A04,

which was deleted.

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Bay S	egment PO	ТМН
TMDL Group ID:	01775				
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sou	Agriculture Atmospheric Deposi Industrial Point Soul Internal Nutrient Rec Loss of Riparian Ha Municipal Point Soul Sources Outside Sta	rce Discharge cycling bitat rce Discharges ate Juristiction or l		on of Stormwater, SSO or CSO)
VAP-A34E_COC01B02	Cod Creek		NORTHUMBEF		Described in the condemnation notice 009-141B, 12/22/2004
					POTMH
VA Overall AU Category: 5A Use	Impairment 0.04 SQUARE	E MILES TMDL Group ID	First Listed on 303	B(d) TMDL Scheo	
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Soc	Agriculture Atmospheric Deposi Industrial Point Sour Internal Nutrient Red Loss of Riparian Ha Municipal Point Sour Sources Outside Sta	rce Discharge cycling bitat rce Discharges ate Juristiction or l		on of Stormwater, SSO or CSO)
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life	,				The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Sou	Agriculture Atmospheric Deposi Industrial Point Sour Internal Nutrient Rec Loss of Riparian Ha Municipal Point Sou	rce Discharge cycling bitat		

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shena	andoah	River	Rasins
I VIVIIIUC	unu snem	uuuvuu .	Nivei	Dusiiis

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A34E_CUT01A98 Cubitt Creek NORTHUMBERLAND CO Described in the condemnation notice 009-168, 4/27/1989

POTMH.

VA Overall AU Category: 5A

Use Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_FTN01A06 Fountain Cove NORTHUMBERLAND CO Described in VDH-DSS condemnation 009-142B, 12/22/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

Sources: Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life Oxygen, Dissolved

01775

2006 2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E GLB01A04

The Glebe

NORTHUMBERLAND CO

VDH-DSS notice 145C, 11/27/2002 boundary upstream to VDDH-DSS

notice 145D, 2/25/1997 boundary

POTMH

VA Overall AU Category: 5A

Use

136

Impairment

0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	amanam	Nivei	DUSIII

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

The Glebe NORTHUMBERLAND CO VAP-A34E_GLB01A98 Described in the condemnation notice 145D, 2/25/1997.

POTMH

VA Overall AU Category:

Use

Impairment

0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life 01775 VAP-A31E-02 Oxygen, Dissolved 2006 2010

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic 01775 Oxygen, Dissolved VAP-A31E-02

Life

2006

2010

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

VAP-A34E_GLB02A00 The Glebe NORTHUMBERLAND CO VDH-DSS condemnation 008-213B, 12/29/2003 not otherwise segmented

Size extended in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.26 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID
Waterbody Name
City / County*
Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A34E_GLB03A00 The Glebe NORTHUMBERLAND CO Downstream of VDH-DSS SFC 008-213B, 12/2/2003 to its mouth at the

Coan River.

Size reduced in 2006 due to upstream condemnations

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.40 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life Oxygen, Dissolved

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_GLB04A04 The Glebe NORTHUMBERLAND CO Described in the VDH-DSS Shellfish Condemnation 145A, 11/27/2002

POTMH

VA Overall AU Category: **5A**Use

Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) VAP-A34E_HAC01A00 **Hack Creek** NORTHUMBERLAND CO Tidal limit to mouth at Potomac River. **POTMH**

VA Overall AU Category: 5A

Use

Impairment

0.21 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Oxygen, Dissolved 01775 Aquatic Life 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac an	d	Shenandoah	River	Rasins
1 Olomuc un	u	Sucuuluuuli	ALVEI	Dusins

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E HEA01A98 Headly Cove NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145H, 2/25/1997.

POTMH

VA Overall AU Category:

Use

Impairment

0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan	un an	KIVET	DUNINS

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A34E_HUL01A02 **Hull Creek** NORTHUMBERLAND CO Hull Creek, excluding Spring Cove, as described in condemnation notice

009-142 12/22/2004.

Size expanded in 2006

POTMH

VA Overall AU Category:

Impairment Use 0.35 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_KIN01A00 **Kingscote Creek** NORTHUMBERLAND CO Tidal limit to the Coan River.

POTMH

VA Overall AU Category: 5A

Use

Impairment 0.29 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins **Bay Segment POTMH** TMDL Watershed Name: TMDL Group ID: 01775 Sources: Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) VAP-A34E_KIN02A06 **Kingscote Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213M1, 12/29/03 **POTMH** VA Overall AU Category: 5A **Impairment** 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 01775 Aquatic Life Oxygen, Dissolved 2006 2010 VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	honand	loah	River	Rasins
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,	NIVEI	,,,,,,,,,

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E KIN03A06 **Kingscote Creek** NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213M2, 12/29/2003

POTMH

VA Overall AU Category:

Use

Impairment

0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and!	Chonani	doah	River	Rasins
I WWIIIUC	WILL L	onenun	LC/ULIL	Nivei	DUSLILS

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A34E_KIN04A06 Kingscote Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213A, 12/29/2003

POTMH

VA Overall AU Category: 5A

Use Impairment 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E KNC01A98 Killneck Creek NORTHUMBERLAND CO Described in the condemnation notice 8-214B, 12/29/2003.

POTMH

VA Overall AU Category: **5D**

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins **Bay Segment POTMH** TMDL Watershed Name: TMDL Group ID: 01775 Sources: Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) VAP-A34E KNC01B06 Killneck Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 8-214A, 12/29/2003 **POTMH** VA Overall AU Category: 5A Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_MII01A06 Mill Creek NORTHUMBERLAND CO Tidal limit to mouth at Coan River

POTMH

VA Overall AU Category: 5A

Use

Impairment

0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic 01775 Oxygen, Dissolved 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenando	ah River Basins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

VAP-A34E_PRE01A98 **Presley Creek** NORTHUMBERLAND CO Described in the condemnation notice 140, 4/27/1989

Sq. mileage adjusted during 2006 cycle, though area did not change

POTMH

VA Overall AU Category:

Use

Impairment

0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic

Life

Oxygen, Dissolved

01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_ROG01A98

Rogers Creek

NORTHUMBERLAND CO

Described in the condemnation notice 009-142D, 12/22/2004.

Sq. mileage adjusted in 2006, although area did not change

POTMH

VA Overall AU Category:

Use

Impairment

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac (and S	Shenandoah	River	Basins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

01775

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling

Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_SPN01A04 **Spring Cove** NORTHUMBERLAND CO Tidal limit to mouth at Hull Creek

Portion of VDH-DSS condemnation 009-142C, 12/22/2004

POTMH

VA Overall AU Category:

Use

Impairment

0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

> The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shene	andoah River Basins				
TMDL Watershed Name:			Bay S	egment PO	ТМН
TMDL Group ID	01775				
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Soi	Agriculture Atmospheric Depos Industrial Point Sou Internal Nutrient Re Loss of Riparian Ha Municipal Point Sou Sources Outside St	rce Discharge cycling bitat rce Discharges ate Juristiction or I		
VAP-A34E_WRS01A04	Wrights Cove		NORTHUMBER		on of Stormwater, SSO or CSO) Described in VDH-DSS Shellfish Condemnation 145B, 11/27/2002
					POTMH
VA Overall AU Category: 5A Use	Impairment 0.04 SQUAR	E MILES TMDL Group ID	First Listed on 303	B(d) TMDL Scheo	
Aquatic Life	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Soi	urces: Agriculture Atmospheric Depos Industrial Point Sou Internal Nutrient Re- Loss of Riparian Ha Municipal Point Sou Sources Outside St: Wet Weather Disch	rce Discharge cycling bitat rce Discharges ate Juristiction or I		on of Stormwater, SSO or CSO)
Open-Water Aquatic	Oxygen, Dissolved	01775	2006	2010	VAP-A31E-02
Life					The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.
	Soi	urces: Agriculture Atmospheric Depos Industrial Point Sou Internal Nutrient Re Loss of Riparian Ha Municipal Point Sou	rce Discharge cycling bitat		

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 01775

VAP-A34E_XFI01A98 Stevens Point NORTHUMBERLAND CO Described in the condemnation notice 8-214C, 12/29/2003

Sq. mileage adjusted in 2006

POTMH

VA Overall AU Category: 51

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02

Life

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_XFJ01A98 Coan River, UT NORTHUMBERLAND CO Described in the condemnation notice 008-214D, 12/29/2003.

POTMH

Size increased during 2004 cycle (0.02 to 0.05 sq. mi)

VA Overall AU Category: **5A**

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 01775 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved

oxygen criteria during the 2006 cycle.

Sources: Agriculture

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac a	ind Shena	ndoah Ri	ver Basins
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Bay Segment POTMH TMDL Watershed Name: TMDL Group ID: 01775 Sources: Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) VAP-A34E_ZZZ01A00 **Unsegmented estuaries in A34** NORTHUMBERLAND CO Unsegmented portion of the watershed. **POTMH** VA Overall AU Category: 5A **Impairment** 2.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Oxygen, Dissolved 01775 Aquatic Life 2006 2010 VAP-A31E-02 The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle. Sources: Agriculture Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO) Open-Water Aquatic Oxygen, Dissolved 01775 2006 2010 VAP-A31E-02 Life The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan	un an	KIVET	DUNINS

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID:

01775

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Group ID: 60126

VAN-A30E DEE01A00 Deep Creek

PRINCE GEORGE CO

The segment boundaries were described in the VDH Notice and Description of Shellfish Area Condemnation Number 36, Upper Machodoc Creek,

Section E, effective 05/08/00, which is no longer effective.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairmer

Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

60126

2006

2010

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 60126

VAN-A30E_GAM01A02 Gambo Creek Gambo Creek Sting GEORGE CO The Gambo Creek portion of the condemned area described in VDH Notice

and Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section A, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.16 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

60126 **2006 2010**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E_UMC01A02 Upper Machodoc Creek KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section E, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTMH

TMDL Group ID:

60126

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60126

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E UMC01B06

Upper Machodoc Creek

KING GEORGE CO

The Upper Machodoc Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.

Impairment Specific Comments and/or Impairment Specific VA Category

VA Overall AU Category:

Aquatic Life

Use

5A **Impairment**

0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60126

2006

2010

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name:

Bay Segment POTMH

TMDL Group ID:

60126

Sources: Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E_UMC02A04

Upper Machodoc Creek

PRINCE GEORGE CO

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section B, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category:

Use

Impairment

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

edule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

60126

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 60126

VAN-A30E_UMC03A04 Upper Machodoc Creek PRINCE GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section M1, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.11 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

60126 **2006 2010**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E UMC04A06 Upper Machodoc Creek KING GEORGE CO Segment includes the main body of tidal Upper Machodoc Creek not

included in segment VAN-A30E UMC04B06 or the segments described in

VDH Shellfish Area Condemnation Number 001A-36.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.91 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTMH

TMDL Group ID:

60126

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60126

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E UMC04B06

Upper Machodoc Creek

KING GEORGE CO

Segment includes the portion of Upper Machodoc Creek beginning upstream at the downstream boundary of shellfish condemnation area D and continuing until the confluence with Deep Creek. Portion of CBP segment POTMH.

Impairment Specific Comments and/or Impairment Specific VA Category

VA Overall AU Category:

Use

5A **Impairment**

0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

2010

Aquatic Life Aquatic Plants (Macrophytes)

60126 Sources: Agriculture

2006

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60126

2006

2010

Sources: Agriculture

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan		KIVET	DUNINS

Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

60126

Sources: Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

The boundaries of the condemned area are described in VDH Notice and VAN-A30E_UMC05A02 **Upper Machodoc Creek** KING GEORGE CO

Description of Shellfish Area Condemnation Number 001A-36, Upper

Impairment Specific Comments and/or Impairment Specific VA Category

Machodoc Creek, Section D, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category:

Aquatic Life

Impairment Use

0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule **Aquatic Plants (Macrophytes)**

2006 2010 60126

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTMH

TMDL Group ID: 60126

VAN-A30E_WLL01A02 Williams Creek KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section C, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

60126 **2006 2010**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A30E WLL02A02 Williams Creek KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and

Description of Shellfish Area Condemnation Number 001A-36, Upper

Machodoc Creek, Section F, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category: 5A

Use Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60126 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River .	R	asins
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Bay Segment POTMH TMDL Watershed Name:

TMDL Group ID:

60126

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60126

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Watershed Name: **Bay Segment POTOH**

TMDL Group ID:

60123

VAN-A26E CHO01A04 **Chopawamsic Creek**

PRINCE WILLIAM CO STAFFORD CO

Segment includes all of the Chopawamsic Creek embayment downstream

until the state line at the confluence with the Potomac River.

Portion of CBP segment POTOH.

VA Overall AU Category:

Aquatic Life

Use

Impairment

Oxygen, Dissolved 60123

2006 2010 Impairment Specific Comments and/or Impairment Specific VA Category

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

0.61 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Municipal Point Source Discharges

60123

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved

2006

2010

Life

Sources: Agriculture

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Bay Segment POTOH

TMDL Group ID:

60123

Sources: Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A26E_CHO01B06 Chopawamsic Creek tidal waters not included in other

STAFFORD CO delineated segments.

VA Overall AU Category: 5A

Portion of CBP segment POTOH.

Use Impairment 0.38 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Oxygen, Dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A26E_CHO02A00 Chopawamsic Creek PRINCE WILLIAM CO
STAFFORD CO

AFFORD CO of the tidal waters, until 0.5 rivermile downstream of monitoring station

1ACHO003.65.

Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use Impairment 0.12 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

TMDL Watershed Name: Bay Segment POTOH

TMDL Group ID:

60123

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A28E_AUA01A06 Aquia Creek STAFFORD CO Segment extends to a 0.5 mile radius around the ACB station 1AAUA-

SCSHORE-ALL.

Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use Impairment 0.42 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTOH

TMDL Group ID: 60123

VAN-A28E_AUA01B00 Aquia Creek STAFFORD CO Segment extends from rivermile 4.28 to rivermile 3.28 in Aquia Creek

encompassing a 0.5-mile radius around station 1AAUA003.71.

Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use Impairment 0.37 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A28E_AUA01C06 Aquia Creek STAFFORD CO Segment extends from approximately rivermile 6.70 and continues

downstream until approximately rivermile 4.19.

Portion of CBP segment POTOH.

VA Overall AU Category: 5A

Use Impairment 0.58 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Unit ID	Waterbody Name		City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:			Bay Segment	РОТОН
TMDL Group ID:	60123			
Open-Water Aquatic Life	Oxygen, Dissolved	60123 2	2006 2010	0
	s	Agriculture Atmospheric Deposition - Industrial Point Source Dis Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Dis Sources Outside State Jur Wet Weather Discharges (scharge g ischarges ristiction or Borders	bination of Stormwater, SSO or CSO)
VAN-A28E_AUA02A04	Aquia Creek		STAFFORD CO	Segment begins at the upstream limit of the tidal waters of Aquia Creek and continues downstream until the confluence with Austin Run. Portion of CBP segment POTOH.
VA Overall AU Category: 5A Use	Impairment 0.24 SQUA	RE MILES TMDL Group ID First L	isted on 303(d) TMDL	Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved		2006 2010	
	S	Atmospheric Deposition - Industrial Point Source Dis Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Dis Sources Outside State Jur Wet Weather Discharges	scharge g scharges ristiction or Borders	bination of Stormwater, SSO or CSO)
Open-Water Aquatic Life	Oxygen, Dissolved	60123 2	2006 2010	0
LIIE	s	Agriculture Atmospheric Deposition - Industrial Point Source Dis Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Dis Sources Outside State Jur	scharge g scharges	

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Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTOH

TMDL Group ID: 60123

VAN-A28E_AUA20A02 Aquia Creek STAFFORD CO Segment includes all tidal waters of Aquia Creek not included in another

segment.

Portion of CBP segment POTOH.

VA Overall AU Category: **5A**

Use Impairment 2.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A29E_ACC01A00 Accokeek Creek STAFFORD CO Segment includes the tidal waters of Accokeek Creek; beginning

approximately 0.35 rivermile upstream from the start of the Accokeek Creek

arm of Potomac Creek.

Portion of CBP segment POTOH.

VA Overall AU Category: 5A

Use Impairment 0.37 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Bay Segment POTOH TMDL Watershed Name:

TMDL Group ID:

60123

Open-Water Aquatic Life

Oxygen, Dissolved

60123

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A29E_POM01A04 **Potomac Creek** KING GEORGE CO Segment extends to a half-mile radius around station 1APOM000.59. STAFFORD CO Portion of CBP segment POTOH.

VA Overall AU Category:

Impairment 0.44 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

Bay Segment POTOH TMDL Watershed Name:

TMDL Group ID:

60123

VAN-A29E_POM01B06 **Potomac Creek** KING GEORGE CO Segment extends from rivermile 1.91 until rivermile 1.09 along Potomac

STAFFORD CO Creek and includes the lower portion of the Accokeek Creek arm of

Potomac Creek, approximately 0.35 rivermile upstream.

Portion of CBP segment POTOH.

VA Overall AU Category: 5A

Use **Impairment** 0.67 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

2006 2010 Aquatic Life Oxygen, Dissolved 60123

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A29E POM02A02 **Potomac Creek** KING GEORGE CO Segment extends a half-mile radius around monitoring station

1APOM002.41. STAFFORD CO

Portion of CBP segment POTOH.

VA Overall AU Category: 5A **Impairment**

0.60 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life 60123 2006 2010 Oxygen, Dissolved

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Oxygen, Dissolved

Open-Water Aquatic

Life

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and She	enandoah	River Ba	isins				
TMDL Watershed Name:			Bay Seg	ment POTO	DH		
TMDL Group	DID:	60123					
Open-Water Aquatic Life	Oxyg	en, Dissolved	1	60123	2006	2010	
			Sources:		urce Discharge ecycling abitat urce Discharges tate Juristiction or Borc		of Stormwater, SSO or CSO)
VAN-A29E_POM20A04	Potomac (Creek			KING GEORGE STAFFORD (Segment includes all tidal waters of Potomac Creek not included in other segments; beginning at the upstream limit of the tidal waters and continuir downstream until the confluence with the Potomac River at the state line. Portion of CBP segment POTOH.
VA Overall AU Category: Use	5A Impairmer	nt 0.8	34 SQUARE MILE	ES TMDL Group ID	First Listed on 303(d)	TMDL Schedule	· ·
Aquatic Life	Oxyg	en, Dissolved		60123	2006	2010	
			Sources:	Agriculture Atmospheric Depo Industrial Point Soi Internal Nutrient Re Loss of Riparian H Municipal Point So Sources Outside S	urce Discharge ecycling abitat	'ers	

2006

Sources: Agriculture

60123

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders

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Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

Bay Segment POTOH TMDL Watershed Name:

TMDL Group ID:

60123

VAN-A29E_POT01A06 Fairview Beach/ Potomac River KING GEORGE CO Segment includes all of Fairview Beach on the Potomac River.

Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 60123 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Oxygen, Dissolved 60123 2006 2010

Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

KING GEORGE CO VAN-A29E_POT20A06 **Potomac River** Segment includes all tidal embayments of the Potomac River located in

Virginia, but not included in other segments.

Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Oxygen, Dissolved 60123 2006 2010 Aquatic Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

Bay Segment POTOH TMDL Watershed Name:

TMDL Group ID:

60123

Open-Water Aquatic Oxygen, Dissolved 60123 2010 2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Group ID:

60125

VAN-A26E POT20A02 **Quantico Creek/Powells Creek** PRINCE WILLIAM CO STAFFORD CO

Segment includes all tidal waters in watershed not included in other

delineated stream segments. Portion of CBP segment POTTF.

VA Overall AU Category:

Impairment Use

1.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life

Life

Aquatic Plants (Macrophytes)

60125

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60125

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Unit iD	waterbody Name	City / County	Assessment only Description					
Potomac and Sheno	andoah River Basins							
TMDL Watershed Name:		Bay Segment POTO	OH					
TMDL Group ID	60125	60125						
TMDL Watershed Name:	Bay Segment POTTF							
TMDL Group ID	60124							
VAN-A12E_FOU01A00	Fourmile Run	ALEXANDRIA CITY ARLINGTON CO	Segment includes the tidal waters of Fourmile Run; from rivermile 1.46 downstream until the confluence with the Potomac River, at the state line. Portion of CBP segment POTTF.					
VA Overall AU Category: 5A Use	Impairment 0.05 SQUARE MIL	.ES TMDL Group ID First Listed on 303(d) TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category					
Aquatic Life	Aquatic Plants (Macrophytes)	60124 2006 2010						
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	: Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination 60124 2006 2010	of Stormwater, SSO or CSO)					
vegetation	Sources:	Agriculture Atmospheric Deposition - Nitrogen Clean Sediments Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders Wet Weather Discharges (Point Source and Combination	of Stormwater, SSO or CSO)					

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTTF

TMDL Group ID: 60124

VAN-A13E_HFF01A06 Hooff Run ALEXANDRIA CITY Segment contains the tidal portion of Hooff Run; begins at the Alexandria

National Cemetery and continues downstream until the confluence with

Hunting Creek.

Portion of CBP segment POTTF.

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

60124 **2006 2010**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A13E HUT01A02 Hunting Creek/Potomac River/Belle Haven

ALEXANDRIA CITY FAIRFAX CO Segment includes all tidal waters of Hunting Creek; beginning at the Route 241 (Telegraph Road) bridge crossing and continuing downstream until the confluence with the Potomac River, to include the embayment.

Impairment Specific Comments and/or Impairment Specific VA Category

Portion of CBP segment POTTF.

VA Overall AU Category: 5A

Use

Impairment 1.36 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTTF

TMDL Group ID:

60124

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A14E DOU01A00

Dogue Creek

FAIRFAX CO

Segment includes all tidal waters of Dogue Creek, extending from approximately rivermile 2.1 until the confluence with the Potomac River. Portion of CBP segment POTTF.

Impairment Specific Comments and/or Impairment Specific VA Category

VA Overall AU Category:

5A

Impairment Use

0.74 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

2010

Aquatic Life **Aquatic Plants (Macrophytes)**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

60124

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	Chonan	doah	River	Rasins
		<i>THE HILL</i>		NIVEI	

TMDL Watershed Name:

Bay Segment POTTF

TMDL Group ID:

60124

Sources: Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A14E_LIF01A00

Little Hunting Creek

FAIRFAX CO

Segment includes all tidal waters of Little Hunting Creek, extending from approximately rivermile 1.7 downstream until the confluence with the

Potomac River.

Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

0.25 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule 60124

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2006

2010

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID: 60124

VAN-A15E_ACO01A06 **Accotink Bay FAIRFAX CO** Segment includes tidal waters of Accotink Creek until the confluence with

the tidal waters of Pohick Bay/ Gunston Cove.

Portion of CBP segment POTTF.

VA Overall AU Category:

Impairment 0.35 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use

Aquatic Life **Aquatic Plants (Macrophytes)** 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

VAN-A15E POH01A00 **Gunston Cove FAIRFAX CO** Segment extends from rivermile 1.31 in Gunston Cove until the confluence

with the Potomac River.

Portion of CBP segment POTTF.

VA Overall AU Category:

Aquatic Life

Impairment Use 1.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category 2006

Aquatic Plants (Macrophytes)

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

60124

Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan		KIVET	DUNINS

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID:

60124

Sources: Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A15E POH02A00

Pohick Bay

FAIRFAX CO

Segment includes tidal waters of Pohick Creek, from the boundary of watershed A15, and extends until rivermile 1.31 in Gunston Cove. Portion of CBP segment POTTF.

Impairment Specific Comments and/or Impairment Specific VA Category

VA Overall AU Category:

Use

Impairment

0.61 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Aquatic Life

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan		KIVET	DUNINS

TMDL Watershed Name: Bay Segment POTTF

TMDL Group ID:

60124

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

VAN-A16E_POH01A06 Pohick Bay FAIRFAX CO Segment includes tidal waters of Pohick Creek upstream from the boundary

2006

of watershed A16.

Portion of CBP segment POTTF.

VA Overall AU Category: 5A

Use Impairment

0.29 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

dule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes)

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

60124

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

60124 **2006**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Bay Segment POTTF

TMDL Group ID: 60124

VAN-A25E_NEA01A00 Neabsco Bay PRINCE WILLIAM CO Segment includes the tidal waters of Neabsco Bay downstream until the

confluence with Occoquan Bay. Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use Impairment 0.80 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 60124 2

60124 **2006 2010**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A25E_NEA20A02 Neabsco Creek PRINCE WILLIAM CO Segment begins at the upstream limit of the tidal waters on Neabsco Creek and continues downstream until the start of the open waters of Neabsco

Bay, approximately 0.5 rivermile upstream from monitoring station

1ANEA000.57. Portion of CBP segment POTTF.

VA Overall AU Category: 54

Use Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge

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Assessment Unit ID

Waterbody Name City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Bay Segment POTTF

TMDL Group ID:

60124

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

60124

2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A25E OCC01A04

Occoquan Bay

FAIRFAX CO PRINCE WILLIAM CO Segment extends 0.5 mile around the Coastal 2000 monitoring station 1AOCC000.06. The downstream limit is the state line at the Potomac River. Portion of CBP segment POTTF.

VA Overall AU Category:

Use Impairment

t

0.48 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes)

60124

2006

2010

Aquatic Flants (Macrophytes)

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Bay Segment POTTF

TMDL Group ID:

60124

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A25E_OCC02A00 Occoquan Bay FAIRFAX CO Segment extends 0.5 mile around the monitoring station

PRINCE WILLIAM CO 1AOCC002.47.

Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use Impairment

Impairment 0.59 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

60124 **2006 2010**

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID: 60124

VAN-A25E_OCC03A04 **Belmont Bay (Occoquan River) FAIRFAX CO** Segment extends 0.5 mile around Coastal 2000 monitoring station

1AOCC002.62.

Portion of CBP seament POTTF.

VA Overall AU Category:

Impairment 0.39 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use

Aquatic Life **Aquatic Plants (Macrophytes)** 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A25E OCC04A02 **Belmont Bay FAIRFAX CO** Segment extends 0.5 mile around the monitoring station 1AOCC-766-ALL

> (coordinates 38.647, -77.195). Portion of CBP segment POTTF.

VA Overall AU Category:

Impairment 0.42 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID:

60124

Sources: Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A25E OCC05A02 **Occoquan River**

FAIRFAX CO PRINCE WILLIAM CO Segment extends from 0.5 rivermile upstream until 0.5 rivermile

downstream of monitoring station 1AOCC006.71. Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)**

60124

2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID:

5A

Impairment

60124

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A25E OCC20A02 Occoguan Bay/Belmont Bay Segment includes all waters of the Occoquan and Belmont Bays not FAIRFAX CO

PRINCE WILLIAM CO included in other delineated segments. Portion of CBP segment POTTF.

Impairment Specific Comments and/or Impairment Specific VA Category

Use 5.39 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule **Aquatic Plants (Macrophytes)** 60124 2006 2010 Aquatic Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation

VA Overall AU Category:

Aquatic Plants (Macrophytes)

60124

2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	Potomac	and Shen	andoah	River	Rasins
------------------------------------	---------	----------	--------	-------	--------

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID:

60124

VAN-A25E_POT20A02 **Occoquan Bay/Belmont Bay FAIRFAX CO** Segment includes all tidal waters in watershed not included in other

2006

PRINCE WILLIAM CO

2010

delineated stream segments. Portion of CBP seament POTTF.

VA Overall AU Category:

Impairment Use

0.24 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)**

Sources: Agriculture

60124

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A26E POW01A02 **Powells Creek** PRINCE WILLIAM CO Segment extends to a 0.5 mile radius around the ACB station 1APOW-865-

Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and	Shonandoah	River Rasins
	 	NIVEL DUNING

TMDL Watershed Name: Bay Segment POTTF

TMDL Group ID:

60124

Sources: Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A26E_POW02A02 Powells Creek PRINCE WILLIAM CO Segment extends to a 0.5 mile radius around the ACB station 1APOW-765-

ALL.

Portion of CBP segment POTTF.

Impairment Specific Comments and/or Impairment Specific VA Category

VA Overall AU Category: 5A

Aquatic Life

Use Impairmen

Impairment 0.40 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and	Shenandoah	River Rasins
	1 3 T L C. T L L L L L L L L L L L L L L L L L L	nivel busins

Bay Segment POTTF TMDL Watershed Name:

TMDL Group ID:

60124

Sources: Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAN-A26E QUA01A04 **Quantico Creek** PRINCE WILLIAM CO Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Plants (Macrophytes) 60124 2006 2010 Aquatic Life

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Bay Segment POTTF

TMDL Group ID: 60124

VAN-A26E_QUA02A06 Quantico Creek PRINCE WILLIAM CO Segment extends to a 0.5 mile radius around station 1AQUA002.15.

Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use Impairment 0.28 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 60124 2006 2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

60124

2006

2010

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Industrial Point Source Discharge

Clean Sediments

Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID	Waterbody Name		City / Cou	nty*	Assessment Unit Description
Potomac and Shena	andoah River Basins				
TMDL Watershed Name:			Beav	erdam Cree	ek
TMDL Group ID:	60007				
VAN-A07R_BEC02A04	Beaverdam Creek		LOUDOUN	СО	Segment begins at the confluence with an unnamed tributary to Beaverdam Creek, just upstream from Route 626, and continues downstream until the confluence of with Dog Branch.
VA Overall AU Category: 5A Use	Impairment 1.17 MILES	TMDL Group ID	First Listed on 303(d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60007	2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1ABEC011.19) at the Route 626 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
Recreation	Sources: Fecal Coliform	Source Unknown 60007	2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (1ABEC011.19) at the Route 626 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	Source Unknown			
TMDL Watershed Name:			Beaverdam	Creek, No	rth Fork
TMDL Group ID:	60008				
VAN-A07R_NOB02A04	North Fork Beaverdam Creek		LOUDOUN	CO	Segment begins at the confluence with Butchers Branch and continues downstream until the confluence with an unnamed tributary to North Fork Beaverdam Creek, at rivermile 3.12.
VA Overall AU Category: 5A Use	Impairment 2.45 MILES	TMDL Group ID	First Listed on 303(d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60008	2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1ANOB005.49) at the Route 719 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	Source Unknown			
Recreation	Fecal Coliform	60008	2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 12 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1ANOB005.49) at the Route 719 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Belmont Bay (Occoquan River)**

TMDL Group ID: 60067

VAN-A25E_OCC03A04 **Belmont Bay (Occoquan River) FAIRFAX CO** Segment extends 0.5 mile around Coastal 2000 monitoring station

1AOCC002.62.

Portion of CBP seament POTTF.

VA Overall AU Category:

VA Overall AU Category:

Impairment 0.39 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Estuarine Bioassessments** 60067 2006 2018 Based on the Coastal 2000 weight of evidence analysis, utilizing bulk chemical data,

toxicity test data, and an evaluation of benthic community conditions. Conclusions noted that some possibilities for benthic alteration could be a result of nutrient enrichment, habitat condition, habitat type, or a high energy environment. However, toxic contaminants are an unlikely cause of the stressed community. The low diversity of benthic faunal taxa suggest organic/nutrient enrichment, but bottom dissolved oxygen at the time of sampling was not depressed (10.5 mg/L). Note that sediment total organic carbon was very low (<0.2%) and that the sample was almost all sand (83.3%). It is possible that toxics were present nearby, but the sediment sample collected did not indicate any contamination problem.

Sources: Source Unknown

TMDL Watershed Name: **Big Run**

> TMDL Group ID: 50236

Big Run PAGE CO VAV-B38R BIG01A00 Big Run from the headwaters downstream to its confluence with South Fork Shenandoah River.

5.41 MILES Use **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

50236 Escherichia coli 2006 2018 Newly listed for bacteria in 2006. Recreation

Sources: Non-Point Source

Wildlife Other than Waterfowl

Boathouse Creek TMDL Watershed Name:

> TMDL Group ID: 00930

VAP-A34E_BOT01A04 **Boathouse Creek** NORTHUMBERLAND CO As described in VDH Shellfish Condemnation 008-214F, 12/29/2003

POTMH VA Overall AU Category:

Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

Fecal Coliform 00930 2004 2016 VAP-A34E-25 Shellfishing

VDH-DSS Condemnation 008-214F, 12/29/2003

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name		City / Count	y*	Assessment Unit Description
Potomac and Shena	ındoah River Basins				
TMDL Watershed Name:			Bollin	g Branch	
TMDL Group ID:	60003				
VAN-A04R_BOL01A04	Bolling Branch		FAUQUIER CO	0	Segment begins at the confluence with an unnamed tributary to Bolling Branch, just upstream from Route 723, and continues downstream until the confluence with Goose Creek.
VA Overall AU Category: 5A Use	Impairment 3.27 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60003	2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1ABOL002.56) at Justice Lane to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	Source Unknown			the residuation add god for the 2000 mater quality addeed ment.
Recreation	Fecal Coliform	60003	2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 11 samples - 36.4%) were recorded at DEQ's ambient water quality monitoring station (1ABOL002.56) at Justice Lane to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	Source Unknown			the residuation are god for the 2000 material quality accessment.
TMDL Watershed Name:			Bonu	m Creek	
TMDL Group ID:	00919				
VAP-A33E_BOM01A98	Bonum Creek		WESTMORELANI	ОСО	Described in the condemnation notice 006-159, 7/2/2002.
					Square mileage was changed in 2006 condemnation, although the area remained the same.
					РОТМН
VA Overall AU Category: 5A Use	Impairment 0.20 SQUARE MIL	ES TMDL Group ID	First Listed on 303(d)	TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	00919	1998	2010	VAP-A33E-03
					VDH Shellfish condemnation 159, 7/2/2002
					Mileage was adjusted in 2006, although the area remained the same
	Sources	Source Unknown			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Boone Run	
TMDL Group ID:	01619		
VAV-B35R_BON01A00	Boone Run	ROCKINGHAM CO	Boone Run and tributary from the headwaters downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 5A Use Recreation		TMDL Group ID First Listed on 303(d) TMDL Schedule 01619 2002 2014 on-Point Source //ildlife Other than Waterfowl	e Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:		Borden Marsh Ru	n
TMDL Group ID:	50240		
VAV-B55R_BMR01A00	Borden Marsh Run	CLARKE CO WARREN CO	Borden Marsh Run and tributaries from the headwaters downstream to its confluence with the Shenandoah River.
VA Overall AU Category: 5A Use	Impairment 9.50 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	
Recreation	Escherichia coli Sources: N	50240 2006 2018 on-Point Source	Newly listed for bacteria in 2006.
TMDL Watershed Name:		Branson Cove	
TMDL Group ID:	00909		
VAP-A32E_BRA01A98	Branson Cove	WESTMORELAND CO	Described in the condemnation notice 083C, 12/18/02
VA Overall AU Category: 5A Use	Impairment 0.02 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	POTMH e Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	00909 1998 2010	VAP-A32E-09
	Sources: S	ource Unknown	VDH-DSS Shellfish Condemnation 083C, 12/18/2002

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Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Bridge Creek** TMDL Watershed Name: TMDL Group ID: 10062 VAP-A34E_BRI02C98 **Bridge Creek** NORTHUMBERLAND CO Described in the condemnation notice 010-105D, 9/15/2004 Sq. mileage adjusted in 2006, although area did not change CB5MH VA Overall AU Category: **Impairment** 0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 10062 2006 2003 Category 4A VAP-A34E-18 VDH-DSS Condemnation Notice 010-105D, 9/15/2004

The segment was delisted in 2004 because the area was reopened for harvest, but was closed in the 9/15/2004 condemnation, so is considered impaired in the 2006

Was closed in the 8/10/2004 contentration, so its considered impared in the 2000 cycle. However, the segment received a fecal coliform allocation in the "Little Wicomico River Watershed TMDL for Three Shellfish Areas Listed Due to Bacteria Contamination" report which was approved by EPA on 12/18/2003. Therefore it will

be considered Cat. 4A for shellfish consumption.

Sources: Non-Point Source

TMDL Group ID: 10063

VAP-A34E_BRI01C98 Bridge Creek NORTHUMBERLAND CO Described in the condemnation notice 010-105C, 9/15/2004.

CB5MH

VA Overall AU Category: 5A

Assessment

Use Impairment 0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing Fecal Coliform 10063 2006 2018 VAP-A34E-17

VDH-DSS Condemnation Notice 010-105C, 9/15/2004

The segment was delisted in 2004 because the area was reopened for harvest, but was closed in the 9/15/2004 condemnation, so is considered impaired in the 2006

cycle.

Sources: Non-Point Source

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Bridgeman Creek** TMDL Watershed Name: TMDL Group ID: 00931 VAP-A34E_BRD01A98 **Bridgeman Creek** NORTHUMBERLAND CO Described in the condemnation notice 009-142A, 12/22/2004. Sq. mileage adjusted in 2006 although area did not change **POTMH** VA Overall AU Category: **Impairment** 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 00931 1998 2010 VAP-A34E-10 VDH-DSS condemnation 009-142A, 12/22/2004 Sq. mileage adjusted in 2006 although area did not change. Sources: Source Unknown **Bridges Creek** TMDL Watershed Name: TMDL Group ID: 00868 **Bridges Creek** WESTMORELAND CO Tidal limit to mouth VAP-A31E BRG01A04 **POTMH** VA Overall AU Category: **Impairment** Use 0.19 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 00868 2004 2016 VAP-A31E-11 Bridges Creek was assessed as not supporting of the Recreation Use support goal during the 2004 cycle based on a fecal coliform violation rate of 2/2 at 01660860, a USGS station. There was no additional monitoring during the 2006 cycle. Sources: Source Unknown TMDL Watershed Name: **Briery Branch** TMDL Group ID: 01604 VAV-B18R_BRY02A00 **Briery Branch ROCKINGHAM CO** Briery Branch from its confluence with Hone Quarry Run downstream to its confluence with Beaver Creek. VA Overall AU Category: **Impairment** 5.99 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life pН 01604 2002 2014 Sources: Source Unknown

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: **Briery Branch** TMDL Group ID: 01604 VAV-B18R_BRY03A00 **Briery Branch** AUGUSTA CO Briery Branch from the headwaters downstream to its confluence with Hone **ROCKINGHAM CO** Quarry Run. VA Overall AU Category: Impairment 6.99 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life pН 01604 2002 2016 Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed TMDL Group ID: 01606 VAV-B18R_BRY01A02 **Briery Branch ROCKINGHAM CO** Briery Branch from its confluence with Beaver Creek downstream to its confluence with North River. VA Overall AU Category: 5A 1.49 MILES **Impairment** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 01606 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl TMDL Watershed Name: **Broad Run** TMDL Group ID: 00225 MANASSAS CITY Segment begins at the confluence with Rocky Branch and continues VAN-A19R_BRU02A00 **Broad Run** PRINCE WILLIAM CO downstream until the confluence with Cannon Branch. VA Overall AU Category: 5A **Impairment 7.26 MILES** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 00225 Recreation Escherichia coli 2006 2010 Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1ABRU011.24) at the Sudley Manor Drive bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002. Sources: Source Unknown

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Assessment Unit ID	Waterbody Name		City / County	*	Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Broa	id Run	
TMDL Group ID:	00226				
VAN-A19R_BRU07A02	Broad Run		FAUQUIER CO PRINCE WILLIAM		Segment begins at the confluence with an unnamed tributary to Broad Run, at approximately rivermile 21.3, and continues downstream until the start, western end, of Lake Manassas.
VA Overall AU Category: 5A Use	Impairment 1.51 MILES	TMDL Group ID F	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00226	2006	2010	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 13 samples - 30.8%) were recorded at DEQ's ambient water quality monitoring station (1ABRU020.12) at the Route 29/15 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
	Sources:	Source Unknown			
TMDL Group ID:	00227				
VAN-A19R_BRU08A04	Broad Run		FAUQUIER CO)	Segment begins at the confluence with Mill Run and continues downstream to the confluence with Trapp Run.
VA Overall AU Category: 5A Use	Impairment 1.06 MILES	TMDL Group ID F	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00227	2006	2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 5 samples - 60.0%) were recorded at DEQ's special study station (1ABRU026.40) at the Route 628 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
Recreation	Fecal Coliform	00227	2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 10 samples - 50.0%) were recorded at DEQ's special study station (1ABRU026.40) at the Route 628 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
TMDL Group ID:	60013				
VAN-A09R_BRB01A00	Broad Run		LOUDOUN CC	1	Segment begins at the confluence with Beaverdam Run, approximately 0.8 rivermile upstream from Route 7, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 2.88 MILES	TMDL Group ID F	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
	c-Macroinvertebrate Bioassessments (Streams)	60013	2006	2018	DEQ benthic macroinvertebrate biological monitoring, at station 1ABRB002.15 near Route 7, finds this segment to be moderately impaired, resulting in an impaired classification for the aquatic life use.
	Sources:	Source Unknown			•

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Assessment

Unit ID	Waterbody Name	City / Cour	nty*	Assessment Unit Description	
Potomac and Shena	andoah River Basins				
TMDL Watershed Name:		Broad Run			
TMDL Group ID:	60051				
VAN-A19R_BRU07B06	Broad Run	FAUQUIER PRINCE WILLI		Segment begins at the confluence with Trapp Branch and continues downstream until the confluence with Catletts Branch.	
VA Overall AU Category: 5A Use	Impairment 1.13 MILES	TMDL Group ID First Listed on 303(c	i) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	Escherichia coli	60051 2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 11 samples - 45.4%) were recorded at DEQ's special study monitoring station (1ABRU029.80) at the Route 55 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.	
	Sources:	Source Unknown			
Recreation	Fecal Coliform	60051 2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 11 samples - 18.2%) were recorded at DEQ's special study monitoring station (1ABRU029.80) at the Route 55 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.	
	Sources:	Source Unknown			
TMDL Group ID:	60052				
VAN-A19R_BRU01A04	Broad Run	PRINCE WILLIA	AM CO	Segment begins at the confluence with Kettle Run and continues downstream until the confluence with Cedar Run, forming the Occoquan River/Lake Jackson.	
VA Overall AU Category: 5A Use	Impairment 2.23 MILES	TMDL Group ID First Listed on 303(c	i) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	Escherichia coli	60052 2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 20 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (1ABRU001.59) at the Route 692 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.	
	Sources:	Source Unknown			

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PCB in Fish Tissue

Fish Consumption

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: **Broad Run** TMDL Group ID: 60131 VAN-A09R BRB01A00 **Broad Run** LOUDOUN CO Segment begins at the confluence with Beaverdam Run, approximately 0.8 rivermile upstream from Route 7, and continues downstream until the confluence with the Potomac River. VA Overall AU Category: **Impairment** 2.88 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Fish Consumption **PCB** in Fish Tissue 60131 2006 2018 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County): Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge. and Pimmit Run up to the Route 309 bridge. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in one specie of fish samples collected in 2001 (American eel) and 2004 (American eel) at monitoring station 1ABRB002.15. Sources: Source Unknown LOUDOUN CO VAN-A09R BRB02A06 **Broad Run** Segment begins at the confluence with Cabin Branch, at rivermile 5.35, and continues downstream until the confluence with Beaverdam Run. VA Overall AU Category:

Impairment 2.40 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2006

Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road

> Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.

> The fish consumption use is categorized as impaired due to a Virginia Department of

2018

Sources: Source Unknown

60131

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and She	nandoah	River	Rasins
FOIOMAC	una Snei	riariaoari	niver	DUSLIIS

TMDL Watershed Name: Broad Run

TMDL Group ID: 60131

VAN-A09R_BRB03A06 Broad Run LOUDOUN CO Segment begins at the Route 625 crossing, at rivermile 6.33, and continues

downstream until the confluence with Cabin Branch, at rivermile 5.35.

VA Overall AU Category: 5A

Use Impairment

t 0.98 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption PCB in Fish Tissue 60131 2006 2018 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The

advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge,

and Pimmit Run up to the Route 309 bridge.

Sources: Source Unknown

TMDL Watershed Name: Buckner Creek

TMDL Group ID: 00910

VAP-A32E BUB01A04 Buckner Creek WESTMORELAND CO As described in VDH Condemnation 082B, 7/14/04

POTMH

Segment shortened in 2006

VA Overall AU Category: **5A**

Use Impairment 0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

edule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing Fecal Coliform 00910 1998 2010 VAP-A32E-05

VDH Shellfish Condemnation 082B, 7/14/2004

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description		
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:	Buckner Creek, North Prong				
TMDL Group ID:	00917				
VAP-A32E_NOP01A02	North Prong Buckner Creek	WESTMORELAND CO	Described in the condemnation notice 004-082C, 7/14/2004.		
			РОТМН		
			Mileage adjusted in 2006		
			Mileage adjusted in 2006		
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.02 SQUARE MILE Fecal Coliform	S TMDL Group ID First Listed on 303(d) TMDL Schedule 00917 1998 2010	e Impairment Specific Comments and/or Impairment Specific VA Category VAP-A32E-06		
			VDH-DSS Condemnation 004-082C, 7/14/2004		
			Size adjusted in 2006		
	Sources:	Source Unknown			
TMDL Watershed Name:		Bull Run			
TMDL Group ID:	00234				
VAN-A23R_BUL02A02	Bull Run	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence with Cub Run, at the start of watershed A23R, and continues downstream until the confluence with Popes Head Creek.		
VA Overall AU Category: 5A Use	Impairment 4.80 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	E Impairment Specific Comments and/or Impairment Specific VA Category		
	c-Macroinvertebrate Bioassessments (Streams)	00234 1996 2010	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired.		
	Sources:	Source Unknown			
TMDL Group ID:	00235				
VAN-A23R_BUL02A02	Bull Run	FAIRFAX CO PRINCE WILLIAM CO	Segment begins at the confluence with Cub Run, at the start of watershed A23R, and continues downstream until the confluence with Popes Head Creek.		
VA Overall AU Category: 5A Use	Impairment 4.80 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	E Impairment Specific Comments and/or Impairment Specific VA Category		
Recreation	Fecal Coliform	00235 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 21 samples - 14.3%) were recorded at DEQ's ambient water quality monitoring station (1ABUL010.28) at the Route 28 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.		
	Sources:	Source Unknown			

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Assessment

Unit ID	Waterbody Name		City / Count	y*	Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Вυ	ıll Run	
TMDL Group ID:	60058				
VAN-A21R_BUL02A00	Bull Run		LOUDOUN CO PRINCE WILLIAM		Segment begins at the confluence with Chestnut Lick, approximately 0.7 rivermile upstream from Route 705, and continues downstream until the confluence with an unnamed tributary to Bull Run, at rivermile 22.34.
VA Overall AU Category: 5A Use	Impairment 4.37 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60058	2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (1ABUL025.94) at the Route 705 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown			., ,
TMDL Group ID:	60136				
VAN-A21R_BUL01A06	Bull Run		FAIRFAX CO PRINCE WILLIAI		Segment begins at the confluence with Flat Branch and continues downstream until the confluence with Cub Run.
VA Overall AU Category: 5A Use	Impairment 0.18 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60136	2006	2018	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.
	Sources	: Source Unknown			(
VAN-A21R_BUL01B06	Bull Run		FAIRFAX CC PRINCE WILLIAI		Segment begins at the I-66 crossing and continues downstream until the confluence with Flat Branch.
VA Overall AU Category: 5A Use	Impairment 2.54 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60136	2006	2018	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.
	Sources	: Source Unknown			

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Assessment

Unit ID	Waterbody Name	City / Coun	: y *	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		В	ıll Run	
TMDL Group ID:	60136			
VAN-A23R_BUL01B04	Bull Run	FAIRFAX CO PRINCE WILLIA		Segment begins at the confluence of Popes Head Creek with Bull Run and continues downstream until rivermile 5.8.
VA Overall AU Category: 5A Use	Impairment 0.95 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	lle Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60136 2006	2016	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge.
	Sources:	Source Unknown		Additionally. fish tissue data revealed an exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in four tissue samples from carp in 2004 at monitoring station 1ABUL006.47.
VAN-A23R_BUL02A02	Bull Run	FAIRFAX CO PRINCE WILLIA		Segment begins at the confluence with Cub Run, at the start of watershed A23R, and continues downstream until the confluence with Popes Head Creek.
VA Overall AU Category: 5A Use	Impairment 4.80 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60136 2004	2016	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of carp and channel catfish consumption to no more than two meals per month. The affected area includes Bull Run near Manassas Park from the I-66 bridge downstream approximately fourteen miles to the Route 612 (Yates Ford Road) bridge. Additionally, fish tissue data revealed an exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in two species of fish (channel catfish and flathead catfish) in 2001 and one specie (channel catfish) in 2004 at monitoring station 1ABUL010.28.
	Sources:	Source Unknown		- · · · · · · · · · · · · · · · · · · ·

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description		
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:		Cameron Run/Hunting Creek			
TMDL Group ID:	60029				
VAN-A13R_CAM01A04	Cameron Run/Hunting Creek	ALEXANDRIA CITY FAIRFAX CO	Segment begins at the confluence with Backlick Run and continues downstream until the Route 241 (Telegraph Road) bridge crossing.		
VA Overall AU Category: 5A Use Recreation	Impairment 2.12 MILES Escherichia coli	TMDL Group ID First Listed on 303(d) TMDL 60029 2006 201			
	Sources	Source Unknown			
TMDL Watershed Name:		Catoctin Creek,	South Fork		
TMDL Group ID:	00161				
VAN-A02R_SOC03A04 VA Overall AU Category: 5D	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at the Purcellville town limits and continues downstream until the confluence with an unnamed tributary to South Fork Catoctin Creek, approximately 0.75 rivermile upstream from the Route 287 bridge.		
Use	Impairment 3.40 MILES	TMDL Group ID First Listed on 303(d) TMDL	Schedule Impairment Specific Comments and/or Impairment Specific VA Category		
Recreation	Fecal Coliform	00161 2004 200	EPA on April 29, 2002 and approved May 31, 2002. The sources of fecal coliform bacteria requiring reductions are livestock and wildlife waste delivered directly to the stream, and human contributions from straight pipes. Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station		
			(1ASOC012.38) at the Route 690 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.		
	_		Segment listed as Category 4A - Federal ID 21332.		
	Sources	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas Waterfowl Wildlife Other than Waterfowl			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description	
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:	Catoctin Creek, South Fork			
TMDL Group ID:	00790			
VAN-A02R_SOC03A04	South Fork Catoctin Creek	LOUDOUN CO	Segment begins at the Purcellville town limits and continues downstream until the confluence with an unnamed tributary to South Fork Catoctin Creek, approximately 0.75 rivermile upstream from the Route 287 bridge.	
VA Overall AU Category: 5D Use	Impairment 3.40 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life Benthic	-Macroinvertebrate Bioassessments (Streams)	00790 2004 2016	Both stations 1ASOC011.98 and 1ASOC012.60 had benthic assessments of moderately impaired.	
	, ,	Commercial Districts (Industrial Parks) Non-Point Source	, ,	
TMDL Watershed Name:		Catoctin Creek, Unnamed	Tributary	
TMDL Group ID:	60001			
VAN-A02R_XJT01A06	Unnamed tributary to Catoctin Creek	LOUDOUN CO	Segment begins at the confluence with an unnamed tributary, approximately 1.2 miles upstream from the Route 693 crossing, and continues downstream until the confluence with Catoctin Creek, at rivermile 9.81.	
VA Overall AU Category: 5A Use	Impairment 4.12 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	Escherichia coli	60001 2006 2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 6 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AXJT002.22) at Cottage Grove Lane to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.	
	Sources:	Source Unknown		
TMDL Watershed Name:		Cedar Creek		
TMDL Group ID:	01645			
VAV-B52R_CDR04A02	Cedar Creek	SHENANDOAH CO	Cedar Creek from the headwaters downstream to its confluence a spring branch near Van Buren Furnace.	
VA Overall AU Category: 5A Use Aquatic Life Benthic	Impairment 2.53 MILES :-Macroinvertebrate Bioassessments	TMDL Group ID First Listed on 303(d) TMDL Schedu 01645 2002 2016	le Impairment Specific Comments and/or Impairment Specific VA Category	
	(Streams) Sources:	Wildlife Other than Waterfowl		

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

Chapel Run TMDL Watershed Name:

TMDL Group ID:

40004

VAV-B57R_CPL01A00 **Chapel Run CLARKE CO** Chapel Run and tributaries from the headwaters downstream to its

2006

2018

confluence with the Shenandoah River.

Newly listed for benthics in 2006.

VA Overall AU Category:

Impairment Use

9.46 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Benthic-Macroinvertebrate Bioassessments**

(Streams)

Sources: Non-Point Source

40004

Wildlife Other than Waterfowl

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID: 01766

VAP-A34E BRI01C98 **Bridge Creek** NORTHUMBERLAND CO Described in the condemnation notice 010-105C, 9/15/2004.

CB5MH

VA Overall AU Category:

Impairment Use

0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01766 2006 2010 VAP-A34E-27

> During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

2006

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E BRI02C98

Aquatic Life

Bridge Creek

NORTHUMBERLAND CO

Described in the condemnation notice 010-105D, 9/15/2004

Sq. mileage adjusted in 2006, although area did not change

CB5MH

VA Overall AU Category:

5D Use

Impairment

Oxygen, Dissolved

0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01766

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Impairment Specific Comments and/or Impairment Specific VA Category

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766 2006 2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E COO01A98

Cod Creek, Trib to Little Wicomico

NORTHUMBERLAND CO

2006

Described in the condemnation notice 105A, 06/10/1997.

CB5MH

VA Overall AU Category:

5D Use

Impairment

0.08 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-27

Aquatic Life Oxygen, Dissolved

01766

2010

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E ELL01A06

Ellyson Creek

NORTHUMBERLAND CO

Described in VDH-DSS condemnation 010-105A, 9/15/2004

CB5MH

VA Overall AU Category:

Use

Impairment

0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-27

Aquatic Life

Oxygen, Dissolved

01766

2006

2010

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Chesapeake Bay 5 Mesohaline Embayments**

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

01766

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS01A02 Little Wicomico River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not

otherwise segmented

Size increased by 0.01 sq. mi. in 2004 cycle.

CB5MH

VA Overall AU Category:

Aquatic Life

Use

Impairment

Oxygen, Dissolved

0.27 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01766 2006 2010

Impairment Specific Comments and/or Impairment Specific VA Category

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2006

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries were also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS01A06

Little Wicomico River

NORTHUMBERLAND CO

Described in VDH-DSS condemnation 010-105B, 9/15/2004 not otherwise

seamented

CB5MH

VAP-A34E-27

VA Overall AU Category:

Use

Impairment

0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life

Oxygen, Dissolved

01766

2006

2010

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

2006

01766

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS01A98

Little Wicomico River

NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997

CB5MH

VAP-A34E-27

VA Overall AU Category: 5D

Use

Impairment

0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01766

2006

2010

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS02A00

Aquatic Life

Little Wicomico River

NORTHUMBERLAND CO

From SFC 101-105B, 9/15/2004 to the Sunnybank Ferry, except as

otherwise segmented.

Size adjusted in 2006

CB5MH

VA Overall AU Category:

Use

Impairment

Oxygen, Dissolved

0.58 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01766

2006

2010

Impairment Specific Comments and/or Impairment Specific VA Category

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Sources: Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Open-Water Aquatic Life

Oxygen, Dissolved

01766 2006 2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS03A98

Little Wicomico River

NORTHUMBERLAND CO

Confined to approximately the Sunnybank Ferry Route.

CB5MH

VA Overall AU Category:

Use

Impairment

0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved

01766 2006 2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS04A00

Aquatic Life

Little Wicomico River

Oxygen, Dissolved

NORTHUMBERLAND CO

Downstream of the Sunnybank Ferry Route, except as otherwise

segmented.

CB5MH

VA Overall AU Category:

5A

Use

Impairment

1.00 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

01766

2006

2010

Impairment Specific Comments and/or Impairment Specific VA Category

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS05A98

Little Wicomico River: Slough Creek

NORTHUMBERLAND CO

Described in the condemnation notice 010-105E, 9/15/2004.

Expanded in 2006 cycle.

CB5MH

VA Overall AU Category:

Use

Impairment

0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

2006

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E LIS06A06

Little Wicomico River: Slough Creek

NORTHUMBERLAND CO

Described in VDH-DSS condemnation 010-105M1, 9/15/2004.

CB5MH

VA Overall AU Category: 5A

Use

Impairment

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved

01766

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be assessed.

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

01766

Open-Water Aquatic Life

Oxygen, Dissolved

01766

2006

2010

VAP-A34E-27

During the 2006 cycle, the revised Chesapeake Bay water quality standards were adopted. The mainstem portion of the Chesapeake Bay within CB5MH had been previously assessed by DEQ as impaired for dissolved oxygen. During the 2006 cycle, the 30-day mean dissolved oxygen was acceptable, however there was insufficient data available to assess the other open water criteria, therefore the mainstem could not be delisted. Because the new standards are based on segmentwide dissolved oxygen, the coastal tributaries are also considered impaired for dissolved oxygen until such time as the remaining open water criteria can be

Sources: Agriculture

Atmospheric Deposition - Nitrogen Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

TMDL Group ID:

10061

VAP-A34E BRI01C98

Bridge Creek

NORTHUMBERLAND CO

Described in the condemnation notice 010-105C, 9/15/2004.

CB5MH

VAP-A34E-27

VA Overall AU Category: 5A

Use

Impairment

0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061

2006

2010

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Sheno	andoah River Basins				
TMDL Watershed Name:		Chesap	eake Bay 5	Mesohalin	ne Embayments
TMDL Group ID	10061				
Shallow-Water Submerged Aquatic Vegetation	Aquatic Plants (Macrophytes)	10061	2006	2010	VAP-A34E-27 Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006
	Sources	Agriculture Atmospheric Depositic Clean Sediments Industrial Point Source Internal Nutrient Recyc Loss of Riparian Habit Municipal Point Source Sediment Resuspensic Sources Outside State Wet Weather Discharg	e Discharge cling at e Discharges on (Clean Sedim e Juristiction or B	orders	cycle.
VAP-A34E_BRI02C98	Bridge Creek	N	ORTHUMBER	LAND CO	Described in the condemnation notice 010-105D, 9/15/2004
					Sq. mileage adjusted in 2006, although area did not change
_					CB5MH
VA Overall AU Category: 5D Use	Impairment 0.09 SQUARE MIL	ES TMDL Group ID Fir	rst Listed on 303	(d) TMDL Sched	lule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Aquatic Plants (Macrophytes)	10061	2006	2010	VAP-A34E-27
					Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
	Sources:	Agriculture Atmospheric Deposition Clean Sediments Industrial Point Source Internal Nutrient Recycl Loss of Riparian Habit Municipal Point Source Sediment Resuspension Sources Outside State Wet Weather Discharg	e Discharge cling at e Discharges on (Clean Sedim e Juristiction or B	orders	on of Stormwater, SSO or CSO)
Shallow-Water Submerged Aquatic	Aquatic Plants (Macrophytes)	10061	2006	2010	VAP-A34E-27
Vegetation	Sources:	: Agriculture	Nite		Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 cycle.
		Atmospheric Deposition Clean Sediments	on - Nitrogen		

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	Shenana	loah	River	Rasins
<i>FOLOMUC</i>		<i>rieriuri</i>		NIVEI	IDUNIN

TMDL Watershed Name:

TMDL Group ID:

10061

Chesapeake Bay 5 Mesohaline Embayments

Sources: Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

VAP-A34E_COO01A98 Cod Creek, Trib to Little Wicomico NORTHUMBERLAND CO Described in the condemnation notice 105A, 06/10/1997.

CB5MH

VA Overall AU Category: 5D

Use

Impairment

0.08 SQUARE MILES TMDL Group ID First Listed on 303(d)

TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

10061 Aquatic Life Aquatic Plants (Macrophytes) 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10061

2006

2010

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

VAP-A34E-27

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID: 10061

VAP-A34E_ELL01A06 Ellyson Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 010-105A, 9/15/2004

CB5MH

VA Overall AU Category: 5A

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10061

2006

2010

VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

DRAFT 6/28/2006 Page 152 of 2156

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

10061

VAP-A34E_LIS01A02 Little Wicomico River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not

otherwise segmented

Size increased by 0.01 sq. mi. in 2004 cycle.

CB5MH

VA Overall AU Category: 5A

Use Impairment 0.27 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10061

2006 2010

VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

10061

VAP-A34E_LIS01A06 Little Wicomico River NORTHUMBERLAND CO Described in VDH-DSS condemnation 010-105B, 9/15/2004 not otherwise

segmented

CB5MH

VA Overall AU Category: 5A

Use Impairment

airment 0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006 $\,$

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

2006

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10061

2010

VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

DRAFT 6/28/2006 Page 154 of 2156

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

10061

VAP-A34E_LIS01A98 Little Wicomico River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997

CB5MH

VA Overall AU Category: 5D

Use Impairment

pairment 0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10061

2006

2010

VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

10061

VAP-A34E_LIS02A00 Little Wicomico River NORTHUMBERLAND CO From SFC 101-105B, 9/15/2004 to the Sunnybank Ferry, except as

otherwise segmented.

Size adjusted in 2006

CB5MH

VA Overall AU Category: 5A

Use Impairment 0.58 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10061 **2006**

2010

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

VAP-A34E-27

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10061

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

VAP-A34E_LIS03A98 Little Wicomico River NORTHUMBERLAND CO Confined to approximately the Sunnybank Ferry Route.

CB5MH

VA Overall AU Category: 5A

Use Impairment 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10061

2006

2010

VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10061

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID:

VAP-A34E_LIS04A00 Little Wicomico River NORTHUMBERLAND CO Downstream of the Sunnybank Ferry Route, except as otherwise

segmented.

CB5MH

VA Overall AU Category: 5A

Use Impairment 1.00 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10061

061 **2006 2010** VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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Chesapeake Bay 5 Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10061

Little Wicomico River: Slough Creek VAP-A34E_LIS05A98 NORTHUMBERLAND CO Described in the condemnation notice 010-105E, 9/15/2004.

Expanded in 2006 cycle.

CB5MH

VA Overall AU Category:

Use

Impairment

0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10061

2006

2010

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Chesapeake Bay 5 Mesohaline Embayments

TMDL Group ID: 10061

VAP-A34E_LIS06A06 Little Wicomico River: Slough Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 010-105M1, 9/15/2004.

CB5MH

VA Overall AU Category: 5A

Use Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10061 2006 2010 VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10061

2006

2010

VAP-A34E-27

Virginia's CB5 mesohaline segment failed the SAV acreage standards during the 2006

cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: **Chopawamsic Creek** TMDL Group ID: 00804 VAN-A26R_CHO01A02 **Chopawamsic Creek** PRINCE WILLIAM CO Segment begins at the confluence with an unnamed tributary to STAFFORD CO Chopawamsic Creek, approximately 0.3 rivermile upstream from I-95, and continues downstream until the end of the free flowing waters of Chopawamsic Creek. VA Overall AU Category: 0.76 MILES Use **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 00804 2002 2014 Although the data obtained during the 2006 assessment window shows exceedances pН Aquatic Life of the instantaneous pH criterion (1 of 24 samples - 4.2%) is categorized as fully supporting, no additional data has been collected from the USGS ambient water quality monitoring station (01660110) since the previous assessment window. The segment shall remain categorized as impaired. Sources: Source Unknown TMDL Group ID: 00805 PRINCE WILLIAM CO Segment extends from approximately 0.5 rivermile upstream, until the end VAN-A26E CHO02A00 **Chopawamsic Creek** STAFFORD CO of the tidal waters, until 0.5 rivermile downstream of monitoring station 1ACHO003.65. Portion of CBP seament POTOH. VA Overall AU Category: **Impairment** 0.12 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 00805 Recreation Escherichia coli 2006 2016 Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 10 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (1ACHO003.65) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown Recreation 00805 **Fecal Coliform** 2004 2016 There was only one exceedance of the instantaneous fecal coliform bacteria criterion in sixteen samples collected at DEQ's ambient water quality monitoring station (1ACHO003.65) at the Route One bridge. However, there have been no fecal coliform sampling events since the 2004 assessment, when the segment was first listed for a bacterial impairment. The segment shall keep the fecal coliform impairment. Sources: Source Unknown

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Assessment Unit ID	Waterbody Name		City / Count	y*	Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:		(Chopawamsic C	reek, Nort	th Branch
TMDL Group ID:	00806				
VAN-A26R_NOR01A02	North Branch Chopawamsic Creek		PRINCE WILLIAM STAFFORD C		Segment begins at the headwaters of North Branch Chopawamsic Creek and continues downstream until the confluence with Middle Branch.
VA Overall AU Category: 5A Use	Impairment 6.90 MILES	· ·	First Listed on 303(d)		e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00806	2004	2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at USGS station 01659000 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
TMDL Watershed Name:			Со	an Mill	
TMDL Group ID:	00946				
VAP-A34R_CON01A00	Coan Mill Stream		NORTHUMBERLAN	ND CO	From the confluence with the unnamed trib at rivermile 1.53 to the Coan River.
VA Overall AU Category: 5A Use	Impairment 1.53 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00946	2002	2014	VAP-A34R-01
					In the 2002 cycle, Coan Mill Stream was assessed not supporting of the Aquatic Life use goal based on a fecal coliform violation rate of 6/20 at Route 360 (1ACON000.96)
	Sources:	Source Unknown			There has been no additional monitoring since 2001.

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
Potomac and Shena	ndoah River Basins						
TMDL Watershed Name:	TMDL Watershed Name: Coan River						
TMDL Group ID:	00175						
VAP-A34E_XFJ01A98	Coan River, UT	NORTHUMBERLAND CO	Described in the condemnation notice 008-214D, 12/29/2003.				
			РОТМН				
			Size increased during 2004 cycle (0.02 to 0.05 sq. mi)				
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.05 SQUARE MILES TMDL Group ID Fecal Coliform 00175	First Listed on 303(d) TMDL Schedul 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-04				
			VDH-DSS condemnation 8-214D, 12/29/2003				
			The shellfish condemnation for this segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas,." which was approved by EPA on 12/02/2004. The segment should be classified as Category 4A for shellfish consumption.				
	Sources: Non-Point Source						
TMDL Group ID:	10057						
VAP-A34E_COA01A02	Coan River	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not otherwise segmented.				
			Size adjusted in 2006				
			РОТМН				
VA Overall AU Category: 5A Use Fish Consumption	Impairment 0.02 SQUARE MILES TMDL Group ID PCB in Fish Tissue 10057	First Listed on 303(d) TMDL Schedul 2006 2018	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-19				
	Sources: Source Unknown		VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish				
VAP-A34E COA01A06	Coan River	NORTHUMBERLAND CO	Described in SFC 008-214E, 12/29/2003 not otherwise segmented.				
VAI -A04E_00A01A00	odan Kivel	NORTHOMBEREARD GO	POTMH				
VA Overall AU Category: 5A Use Fish Consumption	Impairment 0.06 SQUARE MILES TMDL Group ID PCB in Fish Tissue 10057	First Listed on 303(d) TMDL Schedul 2006 2018					
	Sources: Source Unknown		and channel catfish				

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins Coan River TMDL Watershed Name: TMDL Group ID: 10057 VAP-A34E_COA01A98 Coan River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not otherwise segmented. **POTMH** VA Overall AU Category: 5A Use **Impairment** 0.33 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2006 2018 VAP-A34E-19 **PCB** in Fish Tissue 10057 Fish Consumption VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish Sources: Source Unknown NORTHUMBERLAND CO From SFC 008-214E, 12/29/2003 to its mouth at the Potomac, excluding VAP-A34E COA02A02 Coan River otherwise segmented waterbodies. Segment adjusted in 2006 cycle **POTMH** VA Overall AU Category: **Impairment** 2.65 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Fish Consumption **PCB** in Fish Tissue 10057 2006 2018 VAP-A34E-19 VDH Fish Consumption Advisory (12/13/2004) for PCBs in gizzard shad, white perch, and channel catfish Sources: Source Unknown TMDL Group ID: 10068 VAP-A34E COA01A06 Coan River NORTHUMBERLAND CO Described in SFC 008-214E, 12/29/2003 not otherwise segmented. **POTMH** VA Overall AU Category: Impairment Use 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 10068 2006 2018 VAP-A34E-32 The Coan River shellfish impairment expanded in the 2006 cycle (008-214E, 12/29/2003); the TMDL for this portion is due in 2018. Sources: Non-Point Source

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoa	h K	River	Basins
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Coan River TMDL Watershed Name:

TMDL Group ID:

85010

VAP-A34E_COA01A02 Coan River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not

otherwise segmented.

Size adjusted in 2006

POTMH

VA Overall AU Category:

Impairment Use

0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

85010 Shellfishing **Fecal Coliform** 1998 2016 VAP-A34E-05

> Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

VAP-A34E COA01A98 Coan River NORTHUMBERLAND CO

Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not

otherwise segmented.

POTMH

VA Overall AU Category:

Use

Impairment

0.33 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing **Fecal Coliform** 85010 1998 2010 VAP-A34E-05

Headly Cove. Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in

fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	andoah River Basins		
TMDL Watershed Name:	_	Cod Creek	
TMDL Group ID:	00172		
VAP-A34E_COO01A98	Cod Creek, Trib to Little Wicomico	NORTHUMBERLAND CO	Described in the condemnation notice 105A, 06/10/1997.
			СВ5МН
VA Overall AU Category: 5D Use	Impairment 0.08 SQUARE MILES TMDL Group ID	First Listed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform 00172	1998 2003	Category 4A
			VAP-A34E-15
			Cod Creek was assessed as impaired during the 1998 cycle because of VDH-DSS Shellfish Condemnation 105B, 6/10/1997. In the 2004 cycle, the segment was shortened by 0.3 sq. mi., however the 12/18/2003 Little Wicomico River TMDL report included the entire 1998 segment. This segment will be classified as Cat. 4A during the 2006 cycle.
	Sources: Non-Point Source		
TMDL Group ID:	00177		
VAP-A34E_COC01A98	Cod Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-141A, 12/22/04.
			Segment extended in 2006 into 2004 segment VAP-A34E_COC02A04, which was deleted.
			РОТМН
VA Overall AU Category: 5A Use	Impairment 0.10 SQUARE MILES TMDI Group ID) First Listed on 202(d) TMDL Schodu	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Impairment 0.10 SQUARE MILES TMDL Group ID Fecal Coliform 00177	1998 2010	lle Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-07
ů,			VDH-DSS Shellfish Condemnation 141A, 12/22/2004 Segment extended in 2006
	Sources: Source Unknown		
VAP-A34E_COC01B02	Cod Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-141B, 12/22/2004
			РОТМН
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.04 SQUARE MILES TMDL Group ID Fecal Coliform 00177	Pirst Listed on 303(d) TMDL Schedu 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-08
	Sources: Source Unknown		VDH-DSS Condemnation 009-141B, 12/22/2004
	553.555. 553.55 5 111(101111		

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Assessment Unit ID	Waterbody Name	City / County	•	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Cold Ha	rbor Bay	
TMDL Group ID:	00911			
VAP-A32E_CHB01A98	Cold Harbor Bay	WESTMORELAND	CO	Described in the condemnation notice 004-184A, 8/23/04.
VA Overall AU Category: 5A Use	Impairment 0.09 SQUARE MI	LES TMDL Group ID First Listed on 303(d) 1	MDL Schedule	POTMH e Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	00911 2004	2016	VAP-A32E-01
	Sources	: Source Unknown		VDH Shellfish Condemnation 004-184, 8/23/2004
TMDL Watershed Name:		Cole	s Run	
TMDL Group ID:	50058			
VAV-B31R_CLS01A00	Coles Run	AUGUSTA CO		Coles Run from the headwaters downstream to its confluence with South River.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 6.12 MILES pH Sources	TMDL Group ID First Listed on 303(d) T 50058 2006 : Atmospheric Deposition - Acidity	MDL Schedule 2018	e Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for pH in 2006.
TMDL Watershed Name:		Crook	ed Run	
TMDL Group ID:	01626			
VAV-B56R_CRO01A00	Crooked Run	FREDERICK CO WARREN CO)	Crooked Run excluding the tributary feeding the east arm of Lake Frederick from the headwaters downstream to its confluence with the Shenandoah River.
VA Overall AU Category: 5A Use Recreation	Impairment 11.88 MILES Fecal Coliform Sources	TMDL Group ID First Listed on 303(d) 1 01626 2002 Non-Point Source Wildlife Other than Waterfowl	MDL Schedulo 2014	e Impairment Specific Comments and/or Impairment Specific VA Category

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Assessment Unit ID	Waterbody Name City / County*			Assessment Unit Description
Potomac and Shena	ındoah River Basins			
TMDL Watershed Name:			Crooked Run	
TMDL Group ID:	60004			
VAN-A04R_CRA01A04	Crooked Run	FAUC	UIER CO	Segment begins at the confluence with an unnamed tributary to Crooked Run, just downstream from Route 724, and continues downstream until the confluence with Goose Creek.
VA Overall AU Category: 5A Use	Impairment 1.82 MILES	TMDL Group ID First Listed o	n 303(d) TMDI Schedi	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	60004 2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 7 samples - 42.8%) were recorded at DEQ's ambient water quality monitoring station (1ACRA000.42) at the Route 623 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown		supporting of the recreation use god for the 2000 water quality assessment.
TMDL Watershed Name:		Crooke	d Run, Cross T	ributary
TMDL Group ID:	50010			
VAV-B56R_XCR01A06	X-trib to Crooked Run	WAR	REN CO	X-trib to Crooked Run from its headwaters downstream to its confluence with Crooked Run
VA Overall AU Category: 5A Use Aquatic Life	Impairment 0.09 MILES Oxygen, Dissolved	TMDL Group ID First Listed o	n 303(d) TMDL Schedu 2018	ule Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for dissolved oxygen in 2006.
		Source Unknown		
TMDL Watershed Name:			Cub Run	
TMDL Group ID:	00632			
VAV-B37R_CUB01A00	Cub Run		GE CO NGHAM CO	Cub Run originating on the east side of the Massanutten Mountain from the headwaters downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 5A Use	Impairment 9.64 MILES	TMDL Group ID First Listed o	n 303(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform Sources:	00632 2004 Non-Point Source Wildlife Other than Waterfowl	2016	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description			
Potomac and Shena	andoah River Basins					
TMDL Watershed Name:	Cub Run					
TMDL Group ID:	60059					
VAN-A22R_CUB01A00	Cub Run	FAIRFAX CITY	Segment begins at the confluence with Elklick Run and continues downstream until the confluence with Bull Run.			
VA Overall AU Category: 5A Use		up ID First Listed on 303(d) TMDL Schedu	Ile Impairment Specific Comments and/or Impairment Specific VA Category			
Recreation	Escherichia coli 6009	59 2006 2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 15 samples - 20.0%) were recorded at DEQ's ambient water quality monitoring station (1ACUB002.61) at the Route 658 bridge to assess this stream segment as not			
	Sources: Source Unkn	own	supporting of the recreation use goal for the 2006 water quality assessment.			
TMDL Watershed Name:		Cubitt Creek				
TMDL Group ID:	00935					
VAP-A34E_CUT01A98	Cubitt Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-168, 4/27/1989			
			РОТМН.			
VA Overall AU Category: 5A Use	Impairment 0.23 SQUARE MILES TMDL Gro	up ID First Listed on 303(d) TMDL Schedu	Impairment Specific Comments and/or Impairment Specific VA Category			
Shellfishing	Fecal Coliform 0093	35 1998 2010	VAP-A34E-14			
	Sources: Source Unkn	own	VDH-DSS Shellfish Condemnation 168, 4/27/1989			
TMDL Group ID:	00936					
VAP-A34E_CUT01A98	Cubitt Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-168, 4/27/1989			
			РОТМН.			
VA Overall AU Category: 5A Use	Impairment 0.23 SQUARE MILES TMDL Gro	up ID First Listed on 303(d) TMDL Schedu	lle Impairment Specific Comments and/or Impairment Specific VA Category			
Recreation	Fecal Coliform 0093		VAP-A34E-14			
			The segment was listed for the Recreation Use in 2004 due to a fecal coliform violation rate of 3/20 at 1ACUT000.58. The TMDL is due in 2016. There has been no additional bacteria monitoring since 2001, therefore the impairment is carried over.			
	Sources: Source Unkn	own				

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Currioman Creek

TMDL Group ID: 00912

VAP-A32E_CUR01A98 Currioman Creek WESTMORELAND CO Described in the condemnation notice 004-184B, 8/23/2004.

Square mileage adjusted in 2006.

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing **Fecal Coliform** 00912 **1998 2010** VAP-A32E-02

VDH Shellfish Condemnation 004-184B, 8/23/2004

Sources: Source Unknown

TMDL Watershed Name: Curtis Lake

TMDL Group ID: 50555

VAN-A29L LOH02A02 Curtis Lake STAFFORD CO Segment includes all of Curtis Lake on Long Branch.

VA Overall AU Category: 5A

Use Impairment 54.00 ACRES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 50555 2006 Sufficient exceedances of the instantaneous dissolved oxygen criterion (8 of 41

samples - 19.5%) were recorded at DEQ's lake ambient water quality monitoring station (1ALOH007.93), one hundred feet from the dam, to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality

assessment.

Note: Curtis Lake is managed by the Virginia Department of Game and Inland Fisheries. Sampling events occurred two weeks after the lake was fertilized in both

June and August 2004.

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Curtis Lake	
TMDL Group ID:	50556		
VAN-A29L_LOH02A02	Curtis Lake	STAFFORD CO	Segment includes all of Curtis Lake on Long Branch.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 54.00 ACRES pH	TMDL Group ID First Listed on 303(d) TMDL Schen 50556 2002 2010	dule Impairment Specific Comments and/or Impairment Specific VA Category Sufficient exceedances of the instantaneous pH criterion (7 of 41 samples - 17.1%) were recorded at DEQ's lake ambient water quality monitoring station (1ALOH007.93), one hundred feet from the dam, to assess this stream segment as not supporting of
	Sources	Source Unknown	the aquatic life use goal for the 2006 water quality assessment. Note: Curtis Lake is managed by the Virginia Department of Game and Inland Fisheries. Sampling events occurred two weeks after the lake was fertilized in both June and August 2004.
TMD/ Watershad News	Sources.		
TMDL Watershed Name:		Deep Run	
TMDL Group ID:	01618		
VAV-B33R_DPR01A00	Deep Run	ROCKINGHAM CO	Deep Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 4.33 MILES pH Sources:	TMDL Group ID First Listed on 303(d) TMDL Scheron 01618 2004 2016 Atmospheric Deposition - Acidity	dule Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:		Difficult Run	
TMDL Group ID:	00304		
VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	Segment begins at the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 2.93 MILES	TMDL Group ID First Listed on 303(d) TMDL Sche-	dule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	:-Macroinvertebrate Bioassessments (Streams)	00304 1996 2010	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired, resulting in an impaired classification of the aquatic life use.
	Sources:	Source Unknown	

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Assessment Unit ID	Waterbody Name	City / County	*	Assessment Unit Description
Potomac and Shena	ındoah River Basins			
TMDL Watershed Name:		Diffic	ult Run	
TMDL Group ID:	00793			_
VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	0.6	agment begins at the confluence with Captain Hickory Run, approximately 6 rivermile upstream from Route 683, and continues downstream until the influence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 2.93 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00793 2004	sai (1/ suj se	fficient exceedances of the instantaneous E.coli bacteria criterion (4 of 13 mples - 30.8%) were recorded at DEQ's ambient water quality monitoring station ADIF000.86) at the Route 193 bridge to assess this stream segment as not poporting of the recreation use goal for the 2006 water quality assessment. The gment was previously listed for fecal coliform and E.coli bacteria impairments, ginning in 2004.
	Sources	: Source Unknown		
TMDL Group ID:	60015			
VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	0.6	egment begins at the confluence with Captain Hickory Run, approximately 6 rivermile upstream from Route 683, and continues downstream until the influence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 2.93 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Heptachlor epoxide	60015 2006	val	sh tissue data revealed an exceedance of the water quality criterion based tissue lue (TV) of 12 parts per billion (ppb) for heptachlor epoxide. Both of these ceedances were found in American eel, first in 2001 and again in 2004.
	Sources	: Source Unknown		
TMDL Group ID:	60017			
VAN-A11R_DIF03A02	Difficult Run	FAIRFAX CO	riv	egment begins at confluence with Rocky Branch, approximately 0.25 ermile upstream of Route 672, and continues downstream until the nfluence with Piney Branch.
VA Overall AU Category: 5A Use	Impairment 3.24 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60017 2006	25 (1 <i>A</i>	fficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples0%) were recorded at DEQ's ambient water quality monitoring station ADIF010.48) at the Route 672 bridge to assess this stream segment as not prorting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown		

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Assessment

Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ındoah River Basins		
TMDL Watershed Name:		Difficu	lt Run
TMDL Group ID:	60132		
VAN-A11R_DIF01A00	Difficult Run	FAIRFAX CO	Segment begins at the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 2.93 MILES	TMDL Group ID First Listed on 303(d) TN	IDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60132 2006 2	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VAMD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.
	Sources:	Source Unknown	
VAN-A11R_DIF01B06	Difficult Run	FAIRFAX CO	Segment begins at the Route 7 bridge crossing and continues downstream until the confluence with Captain Hickory Run, approximately 0.6 rivermile upstream from Route 683.
VA Overall AU Category: 5A Use	Impairment 1.09 MILES	TMDL Group ID First Listed on 303(d) TN	IDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue		The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.
	Sources:	Source Unknown	
TMDL Watershed Name:		Dogue	Creek
TMDL Group ID:	60031		
VAN-A14E_DOU01A00	Dogue Creek	FAIRFAX CO	Segment includes all tidal waters of Dogue Creek, extending from approximately rivermile 2.1 until the confluence with the Potomac River. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.74 SQUARE MIL	ES TMDL Group ID First Listed on 303(d) TN	IDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform		Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 24 samples - 20.1%) were recorded at DEQ's ambient water quality monitoring station (1ADOU000.60) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown	

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Assessment Unit ID	Waterbody Name	City / County	*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Drur	n Cove	
TMDL Group ID:	10054			
VAP-A33E_DRM01A06	Drum Cove	NORTHUMBERLAN	D CO Described in	007-028D, 07/21/2004
			POTMH	
			Segment sho	ortened in 2006
			POTMH	
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.04 SQUARE MILE Fecal Coliform	S TMDL Group ID First Listed on 303(d) 10054 2006	TMDL Schedule Impairm 2018 VAP-A33E-06	nent Specific Comments and/or Impairment Specific VA Category
Cricimorning	r cour comorm	10001 2000		ellfish Condemnation 007-028D, 7/21/2004
	Sources:	Source Unknown		,
TMDL Watershed Name:		Dry	Fork	
TMDL Group ID:	01633			
VAV-B47R_DFK01A00	Dry Fork	ROCKINGHAM (Dry Fork from Creek.	n the headwaters downstream to its confluence with Smith
VA Overall AU Category: 5D Use Recreation	Impairment 10.08 MILES Fecal Coliform Sources:	TMDL Group ID First Listed on 303(d) 01633 2004 Non-Point Source Wildlife Other than Waterfowl	•	nent Specific Comments and/or Impairment Specific VA Category Federal TMDL ID # 21281
TMDL Group ID:	40003			
VAV-B47R_DFK01A00	Dry Fork	ROCKINGHAM (Dry Fork fror Creek.	n the headwaters downstream to its confluence with Smith
VA Overall AU Category: 5D Use Aquatic Life Benthio	Impairment 10.08 MILES c-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID First Listed on 303(d) 40003 2006	•	nent Specific Comments and/or Impairment Specific VA Category or benthics in 2006.
	Sources:	Non-Point Source		

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Sh	hena	ndoah Riv	er Basins					
TMDL Watershed Name	e:		Dry River					
TMDL Gro	oup ID:	01	608					
VAV-B20R_DUR01A00		Dry River			ROCKINGHAM	CO	Dry River from the City of Harrisonburg water intake downstream to its confluence with Blacks Run.	
VA Overall AU Category: Use Aquatic Life	5A	Impairment pH		TMDL Group ID F 01608 Atmospheric Deposit	2002	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B20R_DUR02A00		Dry River			ROCKINGHAM	CO	Dry River from the 5 miles PWS designation downstream to the City of Harrisonburg Water Intake.	
VA Overall AU Category: Use Aquatic Life	5A	Impairment pH		TMDL Group ID F 01608 Atmospheric Deposit	2002	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B20R_DUR03A00		Dry River			ROCKINGHAM	CO	Dry River from its confluence with Low Place Run downstream to the 5 mile PWS designation for the City of Harrisonburg Water Intake.	
VA Overall AU Category: Use Aquatic Life	5A	Impairment pH		TMDL Group ID F 01608 Atmospheric Deposit	2002	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B21R_DUR04A00		Dry River			ROCKINGHAM	CO	Dry River from its confluence with Blacks Run downstream to the Route 61: bridge.	
VA Overall AU Category: Use Aquatic Life	5A	Impairment pH	3.96 MILES	TMDL Group ID F 01608	irst Listed on 303(d) 2004	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category	
			Sources:	Atmospheric Deposit	ion - Acidity			

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Dungan Cove** TMDL Watershed Name: TMDL Group ID: 00920 VAP-A33E_DUA01A04 **Dungan Cove** NORTHUMBERLAND CO As described in VDH Shellfish Condemnation 007-028G, 7/14/2006 Mileage adjusted slightly in 2006 although area did not change. **POTMH** VA Overall AU Category: Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 00920 2004 2016 VAP-A33E-11 VDH-DSS condemnation 007-028G, 7/14/2004 Mileage adjusted slightly in 2006, although area did not change Sources: Source Unknown Elkhorn Lake TMDL Watershed Name: TMDL Group ID: 01602 VAV-B16L NTH01A04 **Elkhorn Lake AUGUSTA CO** Elkhorn Lake

VA Overall AU Category:
Use

Impairment

49.63 ACRES

TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Oxygen, Dissolved 01602 2004 Dissolved oxygen impairment in the Hypolimnion during the summer months due to

natural conditions. (40

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: 50070

VAV-B16L_NTH01A04 Elkhorn Lake AUGUSTA CO Elkhorn Lake

VA Overall AU Category: **5A**

Use Impairment 49.63 ACRES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life pH 50070 2006 2018 Newly listed impairment for pH in 2006

Sources: Atmospheric Deposition - Acidity

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Assessment Unit ID	Waterbody Name	Vaterbody Name City / County*			Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Elkli	ck Run	
TMDL Group ID:	60060				
VAN-A22R_ELC01A04	Elklick Run		FAIRFAX CO		Segment begins at the confluence with an unnamed tributary to Elklick Run, approximately 0.65 rivermile downstream from the Route 620 crossing, and continues downstream until the confluence with Cub Run.
VA Overall AU Category: 5A Use	Impairment 2.16 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60060	2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1AELC001.39) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
Recreation	Fecal Coliform	60060	2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 11 samples - 18.2%) were recorded at DEQ's ambient water quality monitoring station (1AELC001.39) at the Route 609 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
TMDL Watershed Name:			Ellyso	on Creek	
TMDL Group ID:	10065				
VAP-A34E_ELL01A06	Ellyson Creek		NORTHUMBERLAN	ID CO	Described in VDH-DSS condemnation 010-105A, 9/15/2004
					СВ5МН
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.05 SQUARE MILE Fecal Coliform	ES TMDL Group ID 10065	First Listed on 303(d) 2006	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-29
					VDH-DSS condemnation 010-105A, 9/15/2004
	Sources:	Source Unknown			
TMDL Watershed Name:			Fairview Beacl	n (Potoma	c River)
TMDL Group ID:	60069				
VAN-A29E_POT01A06	Fairview Beach/ Potomac River		KING GEORGE		Segment includes all of Fairview Beach on the Potomac River. Portion of CBP segment POTOH.
VA Overall AU Category: 5A Use			First Listed on 303(d)		
Recreation	Enterococcus	60069	2006	2018	Sufficient exceedances of the instantaneous enterococci bacteria criterion (32 of 145 samples - 22.1%) were recorded at VDH station (VA351214) at Fairview Beach to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			

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Assessment Unit ID	Waterbody Name		City / County*		Assessment Unit Description		
Potomac and Shenandoah River Basins							
TMDL Watershed Name:	Flint Run						
TMDL Group ID:	01622						
VAV-B40R_FNT01A00	Flint Run		WARREN CO		Flint Run and tributary from the headwaters downstream to its confluence with the South Fork Shenandoah River.		
VA Overall AU Category: 5A Use Recreation	Impairment 11.45 MILES Fecal Coliform	5 TMDL Group ID 01622 Sources: Non-Point Source Wildlife Other than		1DL Schedul 2016	le Impairment Specific Comments and/or Impairment Specific VA Category		
TMDL Watershed Name:	Fountain Cove						
TMDL Group ID:	10056						
VAP-A34E_FTN01A06	Fountain Cove		NORTHUMBERLAND	CO	Described in VDH-DSS condemnation 009-142B, 12/22/2004 POTMH		
VA Overall AU Category: Use Shellfishing	Fecal Coliform	RE MILES TMDL Group ID 10056 Sources: Source Unknown		1DL Schedul 2 018	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-06 VDH-DSS condemnation 009-142B, 12/22/2004		
TMDL Watershed Name:	Fourmile Run						
TMDL Group ID:	00305						
VAN-A12E_FOU01A00	Fourmile Run		ALEXANDRIA CITY ARLINGTON CO		Segment includes the tidal waters of Fourmile Run; from rivermile 1.46 downstream until the confluence with the Potomac River, at the state line. Portion of CBP segment POTTF.		
VA Overall AU Category: 5A Use	Impairment 0.05 SQUA	RE MILES TMDL Group ID	First Listed on 303(d) TN	1DL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category		
Recreation	Escherichia coli	00305	2004 2	2010	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 5 samples - 40.0%) were recorded at DEQ's ambient water quality monitoring station (1AFOU000.19) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.		
	Sources: Source Unknown						
Recreation	Fecal Coliform	00305	1996 2	2010	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (6 of 17 samples - 35.3%) were recorded at DEQ's ambient water quality monitoring station (1AFOU000.19) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.		
	5	Sources: Source Unknown					

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: Fridley Run TMDL Group ID: 01634 VAV-B47R_FDY01A02 **Fridley Run ROCKINGHAM CO** Fridley Run from the headwaters downstream to its confluence with Mountain Run. VA Overall AU Category: **Impairment** 2.40 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life **Benthic-Macroinvertebrate Bioassessments** 01634 2002 2014 (Streams) Sources: Atmospheric Deposition - Acidity TMDL Group ID: 50063 VAV-B47R FDY01A02 **Fridley Run ROCKINGHAM CO** Fridley Run from the headwaters downstream to its confluence with Mountain Run. VA Overall AU Category: **Impairment** 2.40 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 50063 Aquatic Life pН 2006 2014 Newly listed for pH in 2006. Sources: Atmospheric Deposition - Acidity TMDL Watershed Name: Gambo Creek, Upper Machodoc Creek TMDL Group ID: 00821 VAN-A30E_GAM01A02 **Gambo Creek** KING GEORGE CO The Gambo Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: Use **Impairment** 0.16 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Fecal Coliform** 00821 1998 2010 The shellfishing use is categorized as impaired due to a Virginia Department of Shellfishing Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia." Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description			
Potomac and Shenandoah River Basins						
TMDL Watershed Name:		Gap Run				
TMDL Group ID:	30100					
VAN-A04R_GAR01A04	Gap Run	FAUQUIER CO	Segment begins at the confluence with an unnamed tributary to Gap Run, just downstream from Route 712, and continues downstream until the confluence with Goose Creek.			
VA Overall AU Category: 5A Use	Impairment 3.02 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category			
Recreation	Fecal Coliform	30100 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 9 samples - 44.4%) were recorded at DEQ's ambient water quality monitoring station (1AGAR002.24) at the Route 623 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.			
	Sources: S	ource Unknown	orpposing transfer and grant and grant and quanty accounts.			
TMDL Watershed Name:	Gardner Creek					
TMDL Group ID:	00921					
VAP-A33E_GAD01A98	Gardner Creek	WESTMORELAND CO	Described in the condemnation notice 143, 7/2/2002.			
			Size adjusted in 2006 cycle			
			РОТМН			
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.13 SQUARE MILES Fecal Coliform	TMDL Group ID First Listed on 303(d) TMDL Schedu 00921 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A33E-01			
·			VDH-DSS condemnation 143, 7/2/2002			
			Size adjusted during 2002 cycle, although area did not change			
	Sources: Source Unknown					
TMDL Watershed Name:	Goldman Creek					
TMDL Group ID:	10052					
VAP-A31E_GLD01A00	Goldman Creek	WESTMORELAND CO	Described in previous condemnation notice 088A .			
VA Overall AU Category: 5A			РОТМН			
Use Shellfishing	Impairment 0.05 SQUARE MILES Fecal Coliform	TMDL Group ID First Listed on 303(d) TMDL Schedu 10052 2002 2018	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A31E-03			
Onemoning		ource Unknown	VDH-DSS Shellfish Condemnation 001-088B, 9/22/2004			

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Assessment Unit ID	Waterbody Name	City / County	r*	Assessment Unit Description	
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:		Goor	ney Run		
TMDL Group ID:	50039				
VAV-B40R_GNY01A00	Gooney Run	WARREN CO		Gooney Run and tributaries from the headwaters downstream to its confluence with the South Fork Shenandoah River.	
VA Overall AU Category: 5A Use Aquatic Life	Impairment 17.90 MILES Temperature, water Sources:	TMDL Group ID First Listed on 303(d) 50039 2006 Source Unknown	TMDL Schedul 2018	le Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for temperature in 2006.	
TMDL Watershed Name:	Goose Creek				
TMDL Group ID:	00062				
VAN-A08R_GOO01A00	Goose Creek	LOUDOUN CC)	Segment begins below the Goose Creek impoundment and continues downstream until the confluence with the Potomac River.	
VA Overall AU Category: 5D Use	Impairment 4.77 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category	
Recreation	Escherichia coli	00062 2006	2003	A fecal coliform TMDL for the Goose Creek watershed was approved by the U.S. EPA on May 31, 2003. The sources of fecal coliform bacteria requiring reductions are direct deposition from cattle, pasture run-off, and human contributions from failing septics systems and straight pipes.	
				Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 13 samples - 38.5%) were recorded at DEQ's ambient water quality monitoring station (1AGOO002.38) at the Route 7 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.	
		Out to the Private and Physics 7		Segment listed as Category 4A - Federal ID 18813.	
	Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations) Sewage Discharges in Unsewered Areas			

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Assessment Unit ID	Waterbody Name	City / Coun	ty*	Assessment Unit Description
Potomac and Shena	ındoah River Basins			
TMDL Watershed Name:		Goo	se Creek	
TMDL Group ID:	00071			
VAN-A08R_GOO01A00	Goose Creek	LOUDOUN	0	Segment begins below the Goose Creek impoundment and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5D Use	Impairment 4.77 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	c-Macroinvertebrate Bioassessments (Streams)	00071 1998	2004	A benthic TMDL for the Goose Creek watershed was approved by the U.S. EPA on April 26, 2004. Goose Creek and Little River are borderline cases of aquatic life impairments. For the most part, they are classified as slightly impaired when compared to their reference sites. The presence of sediment tolerant species in greater abundance in Goose Creek and Little River represents the clearest difference between the impaired sites and their references. It is therefore likely that sediment loads in excess of those found in their references are the cause of the differences observed in the macroinvertebrate communities in Goose Creek and Little River.
	Sources:	Crop Production (Crop Land or Dry Land) Post-development Erosion and Sediment Rangeland Grazing Site Clearance (Land Development or Re	ation	Segment listed as Category 4A - Federal ID 18814.
TMDL Group ID:	20022			
VAN-A04R_GOO01A00	Goose Creek	FAUQUIER (00	Segment begins at the confluence with Kettle Run, at rivermile 46.51, and continues downstream until the confluence with Bolling Branch, at rivermile 42.35.
VA Overall AU Category: 5A Use	Impairment 4.16 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	20022 2006	2010	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AGOO044.36) at the Route 17 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.
	Sources:	Grazing in Riparian or Shoreline Zones Livestock (Grazing or Feeding Operations Sewage Discharges in Unsewered Areas	5)	

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Assessment

Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shen	andoah River Basins		
TMDL Watershed Name:		Goose C	reek
TMDL Group IE	60005		
VAN-A05R_GOO02A06	Goose Creek	LOUDOUN CO	Segment begins at the confluence with Panther Skin Creek and continues downstream until the confluence with Rocky Creek.
VA Overall AU Category: 5A Use	Impairment 2.68 MILES	TMDL Group ID First Listed on 303(d) TMDL	Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60005 2006 20 1	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 13 samples - 53.8%) were recorded at DEQ's ambient water quality monitoring station (1AGO0030.75) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	s: Source Unknown	
VAN-A05R_GOO02B06	Goose Creek	FAUQUIER CO LOUDOUN CO	Segment begins at the confluence with an unnamed tributary to Goose Creek, at rivermile 35.28, and continues downstream until the confluence with Panther Skin Creek.
VA Overall AU Category: 5A Use	Impairment 2.62 MILES	TMDL Group ID First Listed on 303(d) TMDL	_ Schedule
Recreation	Escherichia coli	60005 2006 201	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 8 samples - 37.5%) were recorded at DEQ's ambient water quality monitoring station (1AGO0034.20) at the Route 624 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	s: Source Unknown	
TMDL Group IE	O: 60011		
VAN-A08R_GOO03A02	Goose Creek	LOUDOUN CO	Segment begins at the confluence with the Little River and extends downstream until the backwaters of the Goose Creek Reservoir, at approximately rivermile 10.2.
VA Overall AU Category: 5A Use	Impairment 3.20 MILES	TMDL Group ID First Listed on 303(d) TMDL	Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60011 2006 20 1	
	Source	s: Source Unknown	Supporting of the recreation use your for the 2000 water quality assessificht.

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Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shenand	loah River Basins		
TMDL Watershed Name:		Goose C	reek
TMDL Group ID:	60130		
VAN-A08L_GOO02A02 Go	ose Creek Reservoir	LOUDOUN CO	Segment includes the impounded waters north of the Dulles Greenway Road bridge.
VA Overall AU Category: 5A Use Im	npairment 38.00 ACRES TMDL Group	D First Listed on 303(d) TMD	L Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue 60130	2006 20	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.
	Sources: Source Unknow	1	
VAN-A08R_GOO01A00 Go	oose Creek	LOUDOUN CO	Segment begins below the Goose Creek impoundment and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5D Use Im	pairment 4.77 MILES TMDL Group	D First Listed on 303(d) TMD	L Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue 60130	2006 20	
	Sources: Source Unknow	1	
TMDL Group ID:	60151		
VAN-A05R_GOO01A00 Go	oose Creek	LOUDOUN CO	Segment begins at the confluence with Wancopin Creek, at rivermile 23.46, and continues downstream until the confluence with North Fork Goose Creek, at rivermile 16.58.
VA Overall AU Category: 5A Use Im	npairment 6.88 MILES TMDL Group	D First Listed on 303(d) TMD	L Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform 60151	2004 20	
	Sources: Source Unknow	1	

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Hampton Hall Branch** TMDL Watershed Name: TMDL Group ID: 00922 VAP-A33E_HAM01A02 Hampton Hall Branch, Kinsale Branch NORTHUMBERLAND CO Described in the condemnation notice 007-028C, 7/21/2004. Segment WESTMORELAND CO expanded and incorporated the segment VAP-A33E_KIS01A00 in 2006 **POTMH** VA Overall AU Category: 5A Use **Impairment** 0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Fecal Coliform** 00922 1998 2010 VAP-A33E-07 & 2004 fact sheet VAP-A33E-08 (00924) Shellfishing VDH-DSS Shellfish Condemnation Number 28C, 7/11/2002 During the 2006 cycle, the Hampton Hall Branch condemnation expanded and merged the impairments on Hampton Hall Branch and Kinsale Branch, now called impairments 00922/VAP-A33E-07 Sources: Source Unknown **Happy Creek** TMDL Watershed Name: TMDL Group ID: 01624 VAV-B41R_HPY01A00 **Happy Creek WARREN CO** Happy Creek from the Front Royal Public Water Intake downstream to its confluence with the South Fork Shenandoah River. VA Overall AU Category: 5A **Impairment** 5.67 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 01624 Recreation **Fecal Coliform** 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl WARREN CO Happy Creek from the headwaters downstream to the Front Royal Public VAV-B41R_HPY02A00 **Happy Creek** Water Intake. VA Overall AU Category: Impairment 2.80 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 01624 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

TMDL Watershed Name: **Headly Cove**

> TMDL Group ID: 85011

VAP-A34E_HEA01A98 **Headly Cove** NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145H, 2/25/1997.

POTMH

VA Overall AU Category:

Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use

Shellfishing **Fecal Coliform** 85011 1998 2010 VAP-A34E-05

> Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

TMDL Watershed Name: **Hoque Creek**

> TMDL Group ID: 00315

FREDERICK CO VAV-B06R HOC01A00 **Hogue Creek** Hogue Creek from the headwaters downstream to its confluence with Back

VA Overall AU Category: Use **Impairment** 16.58 MILES

TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

00315 1998 By letter from the Virginia Department of Game and Inland Fisheries, this water is not Aquatic Life Temperature, water considered a cold water fishery. The temperature impairement will move from Category 5A - Impaired and needing a TMDL to Category 4C - Impaired, not needing

a TMDL due to natural conditions.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: 01595

VAV-B06R_HOC01A00 **Hoque Creek** FREDERICK CO Hogue Creek from the headwaters downstream to its confluence with Back

Creek.

Creek.

VA Overall AU Category:

16.58 MILES **Impairment** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Fecal Coliform 01595 Recreation 2002 2014

Sources: Non-Point Source

Wildlife Other than Waterfowl

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Assessment Unit ID	Waterbody Name		City / Count	/ *	Assessment Unit Description
Potomac and Shena	andoah River Basins				
TMDL Watershed Name:			Holn	nes Run	
TMDL Group ID:	00795				
VAN-A13R_HOR01A00	Holmes Run		ALEXANDRIA C FAIRFAX CC		Segment begins at the mouth of Lake Barcroft and continues downstream until the confluence with Backlick Run.
VA Overall AU Category: 5A Use	Impairment 3.59 MILES	TMDL Group ID F	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00795	2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AHOR001.04) at the Pickett Street bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
TMDL Group ID:	00796				
VAN-A13R_HOR01B00	Holmes Run		FAIRFAX CC		Segment begins at the headwaters of Holmes Run and continues downstream until the start of Lake Barcroft.
VA Overall AU Category: 5A Use	Impairment 5.80 MILES	TMDL Group ID F	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	c-Macroinvertebrate Bioassessments (Streams)	00796	2004	2016	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired.
	Sources:	Source Unknown			
TMDL Watershed Name:			Hunti	ng Creek	
TMDL Group ID:	00306				
VAN-A13E_HUT01A02	Hunting Creek/Potomac River/Belle Ha	aven	ALEXANDRIA C FAIRFAX CC		Segment includes all tidal waters of Hunting Creek; beginning at the Route 241 (Telegraph Road) bridge crossing and continuing downstream until the confluence with the Potomac River, to include the embayment. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 1.36 SQUARE MILE	S TMDL Group ID F	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00306	2006	2010	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 12 samples - 41.7%) were recorded at DEQ's ambient water quality monitoring station (1AHUT000.01) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 1998.
	Sources:	Source Unknown			· · · · ·

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description		
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:		Indian Run			
TMDL Group ID:	60135				
VAN-A14R_INA01A06	Indian Run	FAIRFAX CO	Segment begins at the headwaters of Indian Run and continues downstream until the confluence with Backlick Run.		
VA Overall AU Category: 5A Use	Impairment 2.98 MILES T	MDL Group ID First Listed on 303(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category		
Fish Consumption	PCB in Fish Tissue	60135 2006 2018	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 7/27/04, limits consumption of creek chub to no more than two meals per month. The affected area includes the entire portion of Indian Run, from the headwaters until the confluence with Backlick Run.		
	Sources: Sou	rce Unknown			
TMDL Watershed Name:	Jackson Creek				
TMDL Group ID:	00923				
VAP-A33E_JCK01A98	Jackson Creek	WESTMORELAND CO	Described in the condemnation notice 144, 7/2/2002		
			РОТМН		
			Square mileage adjusted in 2006, although area did not change		
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.13 SQUARE MILES T Fecal Coliform	MDL Group ID First Listed on 303(d) TMDL Schedule 00923 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A33E-03		
			VDH-DSS condemnation 144, 7/2/2002		
	Sources: Sou	rce Unknown	Square mileage adjusted in 2006 although area did not change.		
TMDL Watershed Name:	Jeremy's Run				
TMDL Group ID:	01623				
VAV-B40R_JER01A00	Jeremy's Run	PAGE CO	Jeremy's Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.		
VA Overall AU Category: 5A Use Aquatic Life	рН	MDL Group ID First Listed on 303(d) TMDL Schedule 01623 2004 2016 ospheric Deposition - Acidity	le Impairment Specific Comments and/or Impairment Specific VA Category		

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Assessment Unit ID	Waterbody Name City / County*		Assessment Unit Description		
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:	Johns Run				
TMDL Group ID:	50059				
VAV-B31R_JHN01A00	Johns Run	AUGUSTA CO	Johns Run from the headwaters downstream to its confluence with South River.		
VA Overall AU Category: 5A Use Aquatic Life	Impairment 4.89 MILES pH Source	TMDL Group ID First Listed on 303(d) TMDL Schedul 50059 2006 2018 s: Atmospheric Deposition - Acidity	e Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for pH in 2006.		
TMDL Watershed Name:	Kennedy Creek				
TMDL Group ID:	50060				
VAV-B31R_KND01A00	Kennedy Creek	AUGUSTA CO	Kennedy Creek and tributaries from the headwaters downstream to its confluence with Coles Run.		
VA Overall AU Category: 5A Use Aquatic Life	Impairment 8.05 MILES pH Source	TMDL Group ID First Listed on 303(d) TMDL Schedul 50060 2006 2018 s: Atmospheric Deposition - Acidity	e Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for pH in 2006.		
TMDL Watershed Name:		Kettle Run			
TMDL Group ID:	00230				
VAN-A19R_KET01A00	Kettle Run	PRINCE WILLIAM CO	Segment begins at the confluence with an unnamed tributary to Kettle Run, approximately 0.08 rivermile upstream from Route 708, and continues downstream until the confluence with Broad Run.		
VA Overall AU Category: 5A Use	Impairment 7.59 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category		
Recreation	Escherichia coli	00230 2006 2010	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1AKET002.06) at the Route 611 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.		
	Source	s: Source Unknown			

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Assessment Unit ID	Waterbody Name		City / County	•	Assessment Unit Description
Potomac and Shena	andoah River Basins				
TMDL Watershed Name:			Kettl	e Run	
TMDL Group ID:	60053				
VAN-A19R_KET02A04	Kettle Run		FAUQUIER CO		Segment begins at the confluence with an unnamed tributary to Kettle Run, just upstream from Route 602, and continues downstream until the confluence with another unnamed tributary to Kettle Run, at approximately rivermile 10.5.
VA Overall AU Category: 5A Use	Impairment 3.46 MILES TM	1DL Group ID	First Listed on 303(d) T	MDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60053	2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 12 samples - 33.3%) were recorded at DEQ's special study station (1AKET012.03) at the Route 761 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source	ce Unknown			
TMDL Watershed Name:			Killnec	k Creek	
TMDL Group ID:	00173				
VAP-A34E_KNC01A98	Killneck Creek		NORTHUMBERLANI	o co	Described in the condemnation notice 8-214B, 12/29/2003.
					РОТМН
VA Overall AU Category: 5D Use	Impairment 0.05 SQUARE MILES TM	1DL Group ID	First Listed on 303(d) T	MDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	00173	1998	2004	VAP-A34E-02
					VDH-DSS Condemnation 8-214B, 12/29/2003
					The shellfish condemnation for this segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas,." which was approved by EPA on 12/02/2004. The segment should be classified as Category 4A for shellfish consumption.
	Sources: Non-l	Point Source			
TMDL Group ID:	10059				
VAP-A34E_KIN04A06	Kingscote Creek		NORTHUMBERLANI	o co	Described in VDH-DSS condemnation 008-213A, 12/29/2003
					РОТМН
VA Overall AU Category: 5A Use	Impairment 0.06 SQUARE MILES TM	1DL Group ID	First Listed on 303(d) T	MDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	10059	2006	2018	VAP-A34E-21
	Sources: Source	ce Unknown			VDH-DSS condemnation 008-213A, 12/29/2003

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins Killneck Creek TMDL Watershed Name: TMDL Group ID: 10059 VAP-A34E_KNC01B06 Killneck Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 8-214A, 12/29/2003 **POTMH** VA Overall AU Category: **Impairment** 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Shellfishing **Fecal Coliform** 10059 2006 2018 VAP-A34E-20 VDH Shellfish Condemnation 8-214A, 12/29/2003 Sources: Source Unknown TMDL Watershed Name: Laurel Run TMDL Group ID: 01639 SHENANDOAH CO VAV-B49R LAR01A00 **Laurel Run** Laurel Run from the headwaters downstream to its confluence with Stony Creek. VA Overall AU Category: **Impairment** 5.13 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life 01639 2016 Benthic-Macroinvertebrate Bioassessments 2002 (Streams) Sources: Atmospheric Deposition - Acidity TMDL Watershed Name: **Lewis Creek** TMDL Group ID: 00007 VAV-B12R_LEW01A00 **Lewis Creek AUGUSTA CO** Lewis Creek south of the Staunton City boundary near the power line STAUNTON CITY crossing downstream to its confluence with Middle River. VA Overall AU Category: 5D **Impairment** 9.73 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation Escherichia coli 00007 2004 Category 4A - Federal TMDL ID # 7677 Sources: Municipal (Urbanized High Density Area)

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Non-Point Source

Wildlife Other than Waterfowl

Assessment Unit ID	Waterbody Name City / County*		Assessment Unit Description			
Potomac and Shena	ındoah River Basins					
TMDL Watershed Name:	Lewis Creek					
TMDL Group ID:	00239					
VAV-B12R_LEW01A00	Lewis Creek	AUGUSTA C STAUNTON C	-	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.		
VA Overall AU Category: 5D Use Aquatic Life Benthio	Impairment 9.73 MILES c-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID First Listed on 303(d) 00239 1996	TMDL Schedu 2004	Impairment Specific Comments and/or Impairment Specific VA Category Category 4A - Federal TMDL ID # 7676		
	,	s: Non-Point Source				
TMDL Group ID:	00617					
VAV-B12R_LEW01A00	Lewis Creek	AUGUSTA C STAUNTON C	-	Lewis Creek south of the Staunton City boundary near the power line crossing downstream to its confluence with Middle River.		
VA Overall AU Category: 5D Use	Impairment 9.73 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	lle Impairment Specific Comments and/or Impairment Specific VA Category		
Fish Consumption	PCB in Fish Tissue Source	s: Inappropriate Waste Disposal Municipal (Urbanized High Density Area)	2016			
TMDL Watershed Name:	Lewis Run, Lower					
TMDL Group ID:	50062					
VAV-B33R_LLW01A00	Lower Lewis Run	ROCKINGHAN	СО	Lower Lewis Run from the headwaters downstream to its confluence with the South Fork Shenandoah River.		
VA Overall AU Category: 5A Use Aquatic Life	Impairment 3.67 MILES pH	TMDL Group ID First Listed on 303(d) 50062 2006	TMDL Schedu 2018	lle Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for pH in 2006.		
	Source	s: Atmospheric Deposition - Acidity				

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Assessment Unit ID	Waterbody Name	Ci	ty / County*	Assessment Unit Description				
Potomac and Shena	ndoah River Basins							
TMDL Watershed Name:		Licking Run						
TMDL Group ID:	60049							
VAN-A17R_LIL02A04	Licking Run	F/	AUQUIER CO	Segment begins at the boundary of the PWS designation area, at rivermile 11.32, and continues downstream until the start of Germantown Lake.				
VA Overall AU Category: 5A Use	Impairment 3.49 MILES	TMDL Group ID First List	ed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category				
Recreation	Escherichia coli	60049 200	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1ALIL008.23) at the Route 663 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.				
	Sources	: Source Unknown						
VAN-A17R_LIL02B06	Licking Run	F/	AUQUIER CO	Segment begins at the headwaters of Licking Run and continues downstream until the boundary of the PWS designation area, at rivermile 11.32.				
VA Overall AU Category: 5A Use	Impairment 3.28 MILES	TMDL Group ID First List	ed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category				
Recreation	Escherichia coli	60049 200	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 14 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1ALIL008.23) at the Route 663 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.				
	Sources	: Source Unknown						
TMDL Watershed Name:		Limesto	ne Branch, Unname	ed Tributary				
TMDL Group ID:	60002							
VAN-A03R_XAQ01A04	Unnamed Tributary to Limestone Br	anch Lo	DUDOUN CO	Segment begins at the boundary of the PWS area designation, just upstream of the Route 661 bridge, and continues downstream until the confluence with Limestone Branch.				
VA Overall AU Category: 5A Use	Impairment 0.87 MILES	TMDL Group ID First List	ed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category				
Recreation	Escherichia coli	60002 20 0	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AXAQ000.85) at the Route 661 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.				
	Sources	: Source Unknown		•				

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Assessment Unit ID	Waterbody Name	City / County	* Assessment Unit Description			
Potomac and Shena	ndoah River Basins					
TMDL Watershed Name:	Limestone Branch, Unnamed Tributary					
TMDL Group ID:	60002					
VAN-A03R_XAQ01B06	Unnamed Tributary to Limestone Bran	nch LOUDOUN CC	Segment begins at the confluence with an unnamed tributary and continues downstream until the boundary of the PWS area designation, just upstream of the Route 661 bridge.			
VA Overall AU Category: 5A Use	Impairment 1.03 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category			
Recreation	Escherichia coli	60002 2006	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's ambient water quality monitoring station (1AXAQ000.85) at the Route 661 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.			
	Sources:	Source Unknown	cappointing of the residual acceptance and 2000 material quality acceptance.			
TMDL Watershed Name:		Lin	e Run			
TMDL Group ID:	50235					
VAV-B37R_LIN01A06	Line Run	PAGE CO	Line Run from the headwaters downstream to its confluence with Honey Run.			
VA Overall AU Category: 5A Use Recreation	Impairment 3.92 MILES Escherichia coli	TMDL Group ID First Listed on 303(d) 50235 2006	TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2018 Newly listed for bacteria in 2006.			
	Sources:	Non-Point Source Wildlife Other than Waterfowl				
TMDL Watershed Name:		Little	e Creek			
TMDL Group ID:	60071					
VAN-A26R_LIE01A02	Little Creek	PRINCE WILLIAM	CO Segment begins at the headwaters of Little Creek and continues downstream until the confluence with the Potomac River.			
VA Overall AU Category: 5A Use	Impairment 3.78 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category			
Recreation	Escherichia coli	60071 2006	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 11 samples - 63.6%) were recorded at DEQ's ambient water quality monitoring station (1ALIE000.52) at the Geiger Road bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.			
	Sources:	Source Unknown	capporting of the root station and goal for the 2000 water quality assessment.			

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
Potomac and Shena	ndoah River Basins						
TMDL Watershed Name:		Little Dry River					
TMDL Group ID:	01628						
VAV-B43R_LTD01A00	Little Dry River	ROCKINGHAM CO	Little Dry River and tributaries from the headwaters downstream to its confluence with the North Fork Shenandoah River.				
VA Overall AU Category: 5A Use Recreation	Impairment 34.74 MILES Fecal Coliform Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedu 01628 2004 2016 Non-Point Source Wildlife Other than Waterfowl	Impairment Specific Comments and/or Impairment Specific VA Category				
TMDL Group ID:	01629						
VAV-B43R_LTD01A00	Little Dry River	ROCKINGHAM CO	Little Dry River and tributaries from the headwaters downstream to its confluence with the North Fork Shenandoah River.				
VA Overall AU Category: 5A Use Aquatic Life	Impairment 34.74 MILES pH Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedu 01629 2004 2016 Atmospheric Deposition - Acidity	Impairment Specific Comments and/or Impairment Specific VA Category				
TMDL Watershed Name:		Little Hunting Cre	ek				
TMDL Group ID:	00798						
VAN-A14E_LIF01A00	Little Hunting Creek	FAIRFAX CO	Segment includes all tidal waters of Little Hunting Creek, extending from approximately rivermile 1.7 downstream until the confluence with the Potomac River. Portion of CBP segment POTTF.				
VA Overall AU Category: 5A Use	Impairment 0.25 SQUARE MILE	S TMDL Group ID First Listed on 303(d) TMDL Schedu	lle Impairment Specific Comments and/or Impairment Specific VA Category				
Recreation	Escherichia coli	00798 2006 2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 12 samples - 16.7%) were recorded at DEQ's ambient water quality monitoring station (1ALIF000.19) at the George Washington Parkway bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.				
	Sources:	Source Unknown					

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: Little River TMDL Group ID: 60012 VAN-A08R_LIV02A06 Little River **FAUQUIER CO** Segment begins the confluence with Bartons Creek and continues **LOUDOUN CO** downstream until the confluence with Hungry Run, approximately 1.5 rivermiles upstream from Route 50 near Aldie. VA Overall AU Category: **Impairment 6.72 MILES** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Recreation Escherichia coli 60012 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 6 samples -83.3%) were recorded at DEQ's ambient water quality monitoring station (1ALIV006.92) at the Route 629 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown TMDL Watershed Name: **Little Stony Creek** TMDL Group ID: 01640 SHENANDOAH CO VAV-B49R_LSC01A00 **Little Stony Creek** Little Stony Creek from the headwaters downstream to its confluence with Stony Creek. VA Overall AU Category: **Impairment 6.53 MILES** TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Benthic-Macroinvertebrate Bioassessments 01640 2004 2016 (Streams) Sources: Atmospheric Deposition - Acidity TMDL Watershed Name: Little Wicomico River TMDL Group ID: 00158 **VAP-A34E LIS01A98** Little Wicomico River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997 CB5MH VA Overall AU Category: 5D **Impairment** 0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 00158 Shellfishing **Fecal Coliform** 1998 2003 Category 4A VAP-A34E-16 A segment of the Little Wicomico River was assessed as impaired in 1998 based on VDH SFC105B 6/10/1997. During the 2004 cycle, the segment expanded b/c of VDH-DSS Condemnation Notice 105A, 6/21/2002. However, the 2003 TMDL only covered the original 1998 impairment, which will be classified as Cat. 4A. Sources: Non-Point Source

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins Little Wicomico River TMDL Watershed Name: TMDL Group ID: 10026 VAP-A34R_LIS01A06 Little Wicomico River NORTHUMBERLAND CO Headwaters to tidal limit VA Overall AU Category: **Impairment** 2.36 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life pН 10026 2006 2018 VAP-A34R-02 The nontidal portion of Little Wicomico River is considered not supporting the Aquatic Life Use due to a pH violation rate of 2/11 at 1ALIS007.20. Natural conditions are Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed TMDL Group ID: 10066 VAP-A34E LIS01A06 Little Wicomico River NORTHUMBERLAND CO Described in VDH-DSS condemnation 010-105B, 9/15/2004 not otherwise segmented CB5MH VA Overall AU Category: 5A **Impairment** 0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 10066 Shellfishing **Fecal Coliform** 2006 2018 VAP-A34E-30 VDH Shellfish condemnation 010-105B, 9/15/2004 was expanded during the 2006 cycle. This AU only includes the 2006 expansion; the TMDL is due in 2018. Sources: Source Unknown TMDL Group ID: 10067 **VAP-A34E LIS01A02** Little Wicomico River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not otherwise segmented Size increased by 0.01 sq. mi. in 2004 cycle. CB5MH VA Overall AU Category: **Impairment** Use 0.27 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation Enterococcus 10067 2006 2018 VAP-A34E-31 The segment is considered impaired of the Recreation Use due to an enterococci violation rate of 2/4 at 1ALIS004.20 Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
Potomac and Shenandoah River Basins							
TMDL Watershed Name:		Little Wicomico R	iver				
TMDL Group ID:	10067						
VAP-A34E_LIS01A98	Little Wicomico River	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105B, 6/10/1997				
			CB5MH				
VA Overall AU Category: 5D Use	Impairment 0.20 SQUARE MILES TMDL Gro	up ID First Listed on 303(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category				
Recreation	Enterococcus 100	67 2006 2018	VAP-A34E-31				
			The segment is considered impaired of the Recreation Use due to an enterococci violation rate of 2/4 at 1ALIS004.20				
	Sources: Source Unkr	nown					
TMDL Group ID:	85001						
VAP-A34E_LIS01A02	Little Wicomico River	NORTHUMBERLAND CO	Described in the VDH-DSS Condemnation Notice 105A, 6/21/2002, not otherwise segmented				
			Size increased by 0.01 sq. mi. in 2004 cycle.				
			CB5MH				
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.27 SQUARE MILES TMDL Gro Fecal Coliform 850	up ID First Listed on 303(d) TMDL Schedu 01 2004 2016	ule Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-16				
	Sources: Non-Point S	Durce	A segment of the Little Wicomico River was assessed as impaired in 1998 based on VDH SFC105B 6/10/1997. During the 2004 cycle, the segment expanded b/c of VDH-DSS Condemnation Notice 105A, 6/21/2002. However, the 2003 TMDL only covered the original 1998 impairment The TMDL for the expansion is due in 2016.				
TMDL Watershed Name:		Little Wicomico River: Slo	nuch Creek				
TMDL Group ID:	10064	Little Wicollico Kiver. Sic	ough oreek				
•	Little Wicomico River: Slough Creek	NORTHUMBERLAND CO	Described in the condemnation notice 010-105E, 9/15/2004.				
VAP-A34E_LIS05A98	Little Wicomico River. Slough Greek	NORTHOWIBEREAND CO	,				
			Expanded in 2006 cycle.				
VA Overall AU Category: 5A			CB5MH				
Use		up ID First Listed on 303(d) TMDL Schedu					
Shellfishing	Fecal Coliform 100	64 2006 2018	VAP-A34E-28				
	Sources: Source Unkr	nown	VDH-DSS Condemnation Notice 010-105E, 9/15/2004				

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Lodge Creek** TMDL Watershed Name: TMDL Group ID: 00925 VAP-A33E_LOG02A98 **Lodge Creek** NORTHUMBERLAND CO Described in the condemnation notice 007-028F, 7/21/2004. Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed. **POMTH** VA Overall AU Category: **Impairment** 0.25 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 00925 Shellfishing **Fecal Coliform** 1998 2010 VAP-A33E-10 VDH-DSS Shellfish Condemnation 007-028F, 7/21/2004 The segment was enlarged in 2004 and combined two previous Lodge Creek segments into one condemnation. During the 2006 cycle, the square mileage was adjusted although the area did not change. Sources: Source Unknown TMDL Group ID: 10053 **Lodge Creek** NORTHUMBERLAND CO Described in the condemnation notice 007-028H, 7/14/2004. VAP-A33E_LOG01A98 **POTMH** VA Overall AU Category: **Impairment** 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Recreation 10053 2018 VAP-A33E-04 2006 Enterococcus Lodge Creek from its tidal limit downstream to the end of VDH-DSS condemnation 007-028F, 7/21/2004 was assessed as not supporting the Recreation Use due to an enterococci violation rate of 3/9 at 1ALOG001.20.

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Sources: Source Unknown

Assessment Unit ID	Waterbody Name	City / County	.	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Lodge	e Creek	
TMDL Group ID:	10053			
VAP-A33E_LOG02A98	Lodge Creek	NORTHUMBERLAN	O CO	Described in the condemnation notice 007-028F, 7/21/2004.
				Expanded in 2004 and incorporated previous 2002 LOG03A00 segment. Sq. mileage adjusted in 2006, although area has not changed.
				POMTH
VA Overall AU Category: 5A Use Recreation	Impairment 0.25 SQUARE MILE Enterococcus	S TMDL Group ID First Listed on 303(d) - 10053 2006	MDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A33E-04
				Lodge Creek from its tidal limit downstream to the end of VDH-DSS condemnation 007-028F, 7/21/2004 was assessed as not supporting the Recreation Use due to an enterococci violation rate of 3/9 at 1ALOG001.20.
				The fecal coliform violation rate was 0/20, therefore additional monitoring is recommended to confirm the impairment.
	Sources:	Source Unknown		
TMDL Watershed Name:		Long	Branch	
TMDL Group ID:	01647			
VAV-B57R_LNG01A04	Long Branch	CLARKE CO		Long Branch from the headwaters downstream to its confluence with the Shenandoah River.
VA Overall AU Category: 5A Use	Impairment 3.62 MILES	TMDL Group ID First Listed on 303(d)	MDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform Sources:	01647 2004 Non-Point Source Wildlife Other than Waterfowl	2016	
TMDL Watershed Name:		Long Me	adow Ru	in
TMDL Group ID:	01630			
VAV-B45R_LOM01A00	Long Meadow Run	ROCKINGHAM C	0	Long Meadow Run from the headwaters downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 5A Use	Impairment 8.56 MILES	TMDL Group ID First Listed on 303(d)		le Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	:-Macroinvertebrate Bioassessments (Streams)	01630 2002	2014	
	Sources:	Source Unknown		

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Long Meadow Ru	n
TMDL Group ID:	50045		
VAV-B14R_LMR01A00	Long Meadow Run	AUGUSTA CO	Long Meadow Run and tributary from the headwaters downstream to its confluence with Christians Creek.
VA Overall AU Category: 5D Use Aquatic Life	Impairment 10.08 MILES Temperature, water	TMDL Group ID First Listed on 303(d) TMDL Schedule 50045 2006 2018	e Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for temperature in 2006.
	Sources:	Source Unknown	Category 5C
TMDL Group ID:	50232		
VAV-B14R_LMR01A00	Long Meadow Run	AUGUSTA CO	Long Meadow Run and tributary from the headwaters downstream to its confluence with Christians Creek.
VA Overall AU Category: 5D Use	Impairment 10.08 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	50232 2006 2004	According to Section 7.2, Rule 3 of the 2006 Virginia Water Quality Assessment Guidance, this water is categorized as 4A based on its inclusion within the geographical area covered by the Christians Creek TMDL for bacteria.
			Newly impaired for bacteria in 2006.
	Sources:	Non-Point Source	Category 4A - Federal TMDL ID # 17969
TMDL Watershed Name:		Loves Run	
TMDL Group ID:	50057		
VAV-B30R_LOV01A00	Loves Run	AUGUSTA CO	Loves Run from the headwaters downstream to its confluence with South River.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 5.06 MILES pH Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedule 50057 2006 2018 Atmospheric Deposition - Acidity	e Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for pH in 2006.

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Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
Potomac and Shenandoah River Basins							
TMDL Watershed Name:	hed Name: Machodoc Creek, Lower						
TMDL Group ID:	00914						
VAP-A32E_LOW01A04	Lower Machodoc Creek	WESTMORELAND CO	As described in VDH condemnation notice 083A, 12/18/2002.				
			Listed in 1998. Mileage adjusted in 2006				
			РОТМН				
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.51 SQUARE MILES Fecal Coliform	TMDL Group ID First Listed on 303(d) TMDL School 00914 1998 2010	edule Impairment Specific Comments and/or Impairment Specific VA Category VAP-A32E-08				
			VDH Shellfish Condemnation 083A, 12/18/2002				
	Sources: S	ource Unknown					
TMDL Watershed Name:		Machodoc Creek,	Upper				
TMDL Group ID:	00822						
VAN-A30E_UMC01B06	Upper Machodoc Creek	KING GEORGE CO	The Upper Machodoc Creek portion of the condemned area described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH.				
VA Overall AU Category: 5A Use	Impairment 0.07 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Sche	edule Impairment Specific Comments and/or Impairment Specific VA Category				
Shellfishing	Fecal Coliform	00822 1998 2010	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."				
	Sources: S	ource Unknown					
VAN-A30E_UMC02A04	Upper Machodoc Creek	PRINCE GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section B, effective July 15, 2004. Portion of CBP segment POTMH.				
VA Overall AU Category: 5A Use	Impairment 0.03 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Sche	adula Impairment Chesific Comments and/ay Impairment Chesific VA Category				
Shellfishing	Fecal Coliform	00822 2004 2010	The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia."				
	Sources: S	ource Unknown					

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name** Potomac and Shenandoah River Basins TMDL Watershed Name: Machodoc Creek, Upper TMDL Group ID: 00822 VAN-A30E_UMC05A02 **Upper Machodoc Creek** KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D. effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: Use **Impairment** 0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2010 **Fecal Coliform** 00822 1998 The shellfishing use is categorized as impaired due to a Virginia Department of Shellfishing Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia." Sources: Source Unknown TMDL Group ID: 00823 VAN-A30E UMC05A02 **Upper Machodoc Creek** KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36. Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: **Impairment** 0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) Use TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life pН 00823 2002 2014 Two of 17 samples (11.8%) were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. As a result, the aquatic life use was assessed as not supporting the Clean Water Act (CWA) use goal. Sources: Source Unknown TMDL Group ID: 00828 VAN-A30R UMC01A00 Upper Machodoc Creek KING GEORGE CO Segment begins at the confluence with Pepper Mill Creek, approximately 0.75 rivermile upstream from Route 301, and continues downstream until the end of the free-flowing waters of Upper Machodoc Creek. VA Overall AU Category: **Impairment** 2.19 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Aquatic Life pН 00828 2004 2016 Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous pH criterion (1 of 5 samples - 20.0%) is categorized as insufficient information, no data has been collected from the DEQ's ambient water quality monitoring station (1AUMC009.61) at Route 301 since the previous assessment window. The segment shall remain categorized as impaired. For the 2004 assessment, two of 12 samples (16.7%) were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class III waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ındoah River Basins		
TMDL Watershed Name:		Machodoc Creek, Սր	pper
TMDL Group ID:	00829		
VAN-A30R_UMC01A00	Upper Machodoc Creek	KING GEORGE CO	Segment begins at the confluence with Pepper Mill Creek, approximately 0.75 rivermile upstream from Route 301, and continues downstream until the end of the free-flowing waters of Upper Machodoc Creek.
VA Overall AU Category: 5A Use	Impairment 2.19 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00829 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1AUMC009.61) at the Route 301 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	s: Source Unknown	
TMDL Group ID:	60070		
VAN-A30E_UMC05A02	Upper Machodoc Creek	KING GEORGE CO	The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section D, effective July 15, 2004. Portion of CBP segment POTMH.
VA Overall AU Category: 5A Use	Impairment 0.43 SQUARE MI	ILES TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Enterococcus	60070 2006 2018	Sufficient exceedances of the instantaneous enterococcus bacteria criterion (3 of 10 samples - 30.0%) were recorded at DEQ's ambient water quality monitoring station (1AUMC004.43) at the Route 218 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	s: Source Unknown	
TMDL Watershed Name:		Manassas Run	
TMDL Group ID:	01625		
VAV-B55R_MAN01A00	Manassas Run	WARREN CO	Manassas Run from the Route 647 bridge crossing downstream to its confluence with the Shenandoah River.
VA Overall AU Category: 5A Use Recreation	Impairment 4.97 MILES Fecal Coliform Source	TMDL Group ID First Listed on 303(d) TMDL Schedule 01625 2004 2016 s: Non-Point Source	e Impairment Specific Comments and/or Impairment Specific VA Category
		Wildlife Other than Waterfowl	

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: Manassas Run TMDL Group ID: 01625 VAV-B55R_MAN02A04 Manassas Run **WARREN CO** Manassas Run and tributaries from the headwaters downstream to the Route 647 bridge crossing. VA Overall AU Category: Impairment 4.20 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 01625 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl TMDL Watershed Name: **Mattox Creek** TMDL Group ID: 00238 VAP-A31E MAO01A98 **Mattox Creek** WESTMORELAND CO Described in the condemnation notice 002-001B, 11/15/2004. Segment expanded in 2006 cycle. **POTMH** VA Overall AU Category: **Impairment** 0.63 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 00238 VAP-A31E-06 Recreation Enterococcus 2006 2010 The segment was initially listed in 1996 based on excessive fecal coliform standards at the Route 205 bridge (1AMAO004.08). The segment was adjusted during the 2006 cycle to be coincident with VDH-DSS Shellfish Condemnation 001B, 11/15/2004. During the 2006 cycle, the Recreation Use impairment switched to Enterococci with a violation rate of 5/12 at 1AMAO004.08. Sources: Source Unknown

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Mattox Creek

TMDL Group ID: 00238

VAP-A31E_MAO03A04 Mattox Creek WESTMORELAND CO As described in VDH Condemnation 002-001E, 11/15/04

Prohibited zone

РОТМН

VA Overall AU Category: 5A
Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation **Enterococcus** 00238 **2006 2010** VAP-A31E-06

The segment was initially listed in 1996 based on excessive fecal coliform standards

at the Route 205 bridge (1AMAO004.08).

The segment was adjusted during the 2006 cycle to be coincident with VDH-DSS

Shellfish Condemnation 001B, 11/15/2004.

During the 2006 cycle, the Recreation Use impairment switched to Enterococci with a

violation rate of 5/12 at 1AMAO004.08.

Sources: Source Unknown

TMDL Group ID: 00646

VAP-A31R_MA001A98 Mattox Creek KING GEORGE CO Mainstem and tributaries above the limit of tide.

WESTMORELAND CO

VA Overall AU Category: **5A**Use Impairment 32.10 MILES TMDL Group ID First Listed on 303(d)

Use Impairment 32.10 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life pH 00646 2002 2014 VAP-A31R-02

The segment was assessed during the 1998 cycle as threatened of the Aquatic Life use support goal based on pH violations at the Route 627 bridge (1AMAO007.46). During the year 2002 cycle, the segment was downgraded based on the results of a special study and the segment length was revised to end at the tidal limit. The pH TMDL is due in 2014. During the 2006 cycle, additional monitoring in the watershed confirmed the pH impairment and also indicated a DO impairment. See below. The

DO TMDL is due in 2018.

1AMAO007.46 - pH 14/18 1AMAO010.27 - DO 5/18, pH 16/18 1AKIG000.62 - DO 2/18, pH 14/18 1ACOW000.38 - pH 15/18 1AXFF001.61 - pH 7/18

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	amana	Nivei	DUSIII

TMDL Watershed Name: Mattox Creek

TMDL Group ID: 00678

VAP-A31E_MA001A98 Mattox Creek WESTMORELAND CO Described in the condemnation notice 002-001B, 11/15/2004.

Segment expanded in 2006 cycle.

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.63 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing **Fecal Coliform** 00678 **1996 2010** VAP-A31E-06

The segment was initially listed in 1996 based on excessive fecal coliform standards

at the Route 205 bridge (1AMAO004.08).

The segment was adjusted during the 2006 cycle to be coincident with VDH-DSS

Shellfish Condemnation 001B, 11/15/2004.

Sources: Source Unknown

TMDL Group ID: 00907

VAP-A31R MAO01A98 Mattox Creek KING GEORGE CO Mainstem and tributaries above the limit of tide.

WESTMORELAND CO

VA Overall AU Category: **5A**

Use Impairment 32.10 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation Fecal Coliform 00907 2002 2014 VAP-A31R-02

The segment was assessed during the year 2002 cycle as not supporting of the Recreation use goal based on fecal coliform violations at 1AMAO007.46. The fecal coliform TMDL is due in 2014. The FC violation rate for the 2006 cycle is 4/19 and the segment remains impaired for FC. However, the new E. coli violation rate was acceptable (0/11), therefore additional monitoring for E. coli is recommended.

Sources: Source Unknown

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Mattox Creek

TMDL Group ID: 10021

VAP-A31R_MA001A98 Mattox Creek KING GEORGE CO Mainstem and tributaries above the limit of tide.

WESTMORELAND CO

VA Overall AU Category: **5A**

Use Impairment 32.10 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 10021 **2006 2018** VAP-A31R-02

The segment was assessed during the 1998 cycle as threatened of the Aquatic Life use support goal based on pH violations at the Route 627 bridge (1AMAO007.46). During the year 2002 cycle, the segment was downgraded based on the results of a special study and the segment length was revised to end at the tidal limit. The pH TMDL is due in 2014. During the 2006 cycle, additional monitoring in the watershed confirmed the pH impairment and also indicated a DO impairment. See below. The DO TMDL is due in 2018.

1AMAO007.46 - pH 14/18 1AMAO010.27 - DO 5/18, pH 16/18 1AKIG000.62 - DO 2/18, pH 14/18 1ACOW000.38 - pH 15/18 1AXFF001.61 - pH 7/18

The segment was also assessed during the year 2002 cycle as not supporting of the Recreation use goal based on fecal coliform violation sat 1AMAO007.46. The fecal coliform TMDL is due in 2014. The FC violation rate for the 2006 cycle is 4/19 and the segment remains impaired for FC. However, the new E. coli violation rate was acceptable (0/11), therefore additional monitoring for E. coli is recommended.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Watershed Name: Meadow Run

TMDL Group ID: 01615

VAV-B32R_MDW01A00 Meadow Run AUGUSTA CO Meadow Run from the headwaters downstream to the end of surface flow.

VA Overall AU Category: **5A**

Use Impairment 6.87 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life pH 01615 2004 2016

Sources: Atmospheric Deposition - Acidity

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Assessment Unit ID		Waterbo	dy Name		City / County	y *	Assessment Unit Description
Potomac and S	hena	ndoah River	r Basins				
TMDL Watershed Nam	ne:				Mill	Creek	
TMDL Gr	roup ID:	002	51				
VAV-B48R_MIL01A00		Mill Creek			SHENANDOAH	СО	Mill Creek from its confluence with Crooked Run downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: Use Aquatic Life		Impairment Macroinvertebrat	2.81 MILES e Bioassessments	TMDL Group ID 00251	First Listed on 303(d) 2002	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Denunc	Streams)	5)		2002	2016	
			Sources: S	Source Unknown			
VAV-B48R_MIL02A04		Mill Creek			SHENANDOAH	СО	Mill Creek from its confluence with Straight Run downstream to its confluence with Crooked Run.
VA Overall AU Category: Use	5A	Impairment	4.79 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic	-Macroinvertebrat (Streams	•	00251 Source Unknown	1998	2016	
			Sources: S	Source Unknown			
VAV-B48R_MIL03A04		Mill Creek			ROCKINGHAM SHENANDOAH		Mill Creek from the headwaters downstream to its confluence with Straight Run.
VA Overall AU Category: Use		Impairment	7.39 MILES		First Listed on 303(d)		e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Benthic	-Macroinvertebrat Streams)	e Bioassessments s)	00251	1998	2016	
			Sources: S	Source Unknown			
TMDL Gr	roup ID:	009	26				
VAP-A33E_MIA01A98		Mill Creek			NORTHUMBERLAN	ND CO	Described in the condemnation notice 07/21/2004.
							Segment expanded in 2006
							РОТМН
VA Overall AU Category: Use	5A	Impairment	0.15 SQUARE MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing		Fecal Colif	orm	00926	1998	2010	VAP-A33E-09
							VDH-DSS Condemnation 007-028E, 07/21/2004
			Sources: S	Source Unknown			Segment expanded in 2006

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description				
Potomac and Shenandoah River Basins							
TMDL Watershed Name:		Mill Creek					
TMDL Group ID:	00928						
VAP-A33R_MIA01A00	Mill Creek	NORTHUMBERLAND CO	From its headwaters to Courtney Millpond.				
VA Overall AU Category: 5A Use Aquatic Life	Impairment 3.95 MILES pH	TMDL Group ID First Listed on 303(d) TMDL Schedule 00928 2002 2014	e Impairment Specific Comments and/or Impairment Specific VA Category VAP-A33R-01				
Aqualic Lile	рп	00926 2002 2014	During the 2004 cycle, Mill Creek was assessed not supporting of the Aquatic Life use support goal based on a pH standard violation rate of 3/20 at Route 202 (1AMIA004.12).				
	Sources:	Natural Conditions - Water Quality Standards Use Attaina	There has been no additional monitoring since 2001. bility Analyses Needed				
TMDL Group ID:	00929						
VAP-A33R_MIA01A00	Mill Creek	NORTHUMBERLAND CO	From its headwaters to Courtney Millpond.				
VA Overall AU Category: 5A Use Recreation	Impairment 3.95 MILES Fecal Coliform	TMDL Group ID First Listed on 303(d) TMDL Schedule 00929 2002 2014	e Impairment Specific Comments and/or Impairment Specific VA Category VAP-A33R-01				
			During the 2004 cycle, Mill Creek was assessed not supporting of the Recreation use goal based on a fecal coliform violation rate of 6/20 at Route 202 (1AMIA004.12).				
	Sources:	Source Unknown	There has been no additional monitoring since 2001.				
TMDL Group ID:	01636						
VAV-B48R_MIL01A00	Mill Creek	SHENANDOAH CO	Mill Creek from its confluence with Crooked Run downstream to its confluence with the North Fork Shenandoah River.				
VA Overall AU Category: 5A Use Recreation	Impairment 2.81 MILES Fecal Coliform	TMDL Group ID First Listed on 303(d) TMDL Schedule 01636 1998 2010	e Impairment Specific Comments and/or Impairment Specific VA Category				
	Sources:	Non-Point Source					

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Wildlife Other than Waterfowl

Assessment

Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	indoah River Basins		
TMDL Watershed Name:		Mill Creek	
TMDL Group ID:	01636		
VAV-B48R_MIL02A04	Mill Creek	SHENANDOAH CO	Mill Creek from its confluence with Straight Run downstream to its confluence with Crooked Run.
VA Overall AU Category: 5A Use Recreation	Impairment 4.79 MILES Fecal Coliform Sources	TMDL Group ID First Listed on 303(d) TMDL Schedul 01636 2002 2016 Wildlife Other than Waterfowl	le Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B48R_MIL03A04	Mill Creek	ROCKINGHAM CO SHENANDOAH CO	Mill Creek from the headwaters downstream to its confluence with Straight Run.
VA Overall AU Category: 5A Use Recreation	Impairment 7.39 MILES Fecal Coliform Sources	TMDL Group ID First Listed on 303(d) TMDL Schedul 01636 2002 2016 : Non-Point Source Wildlife Other than Waterfowl	le Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Group ID:	01637		
VAV-B48R_MIL01A00	Mill Creek	SHENANDOAH CO	Mill Creek from its confluence with Crooked Run downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 2.81 MILES Temperature, water	TMDL Group ID First Listed on 303(d) TMDL Schedul 01637 2004	le Impairment Specific Comments and/or Impairment Specific VA Category By letter from the Virginia Department of Game and Inland Fisheries, this water is not considered a cold water fishery. The temperature impairment will move from
			Category 5A - Impaired and needing a TMDL to Category 4C - Impaired, not needing a TMDL due to natural conditions.
	Sources	: Natural Conditions - Water Quality Standards Use Attaina	ability Analyses Needed
VAV-B48R_MIL02A04	Mill Creek	SHENANDOAH CO	Mill Creek from its confluence with Straight Run downstream to its confluence with Crooked Run.
VA Overall AU Category: 5A Use	Impairment 4.79 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Temperature, water	01637 2004	By letter from the Virginia Department of Game and Inland Fisheries, this water is not considered a cold water fishery. The temperature impairement will move from Category 5A - Impaired and needing a TMDL to Category 4C - Impaired, not needing a TMDL due to natural conditions.
	Sources	: Natural Conditions - Water Quality Standards Use Attaina	ability Analyses Needed

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Mill Creek

TMDL Group ID: 85012

VAP-A34E_MII01A06 Mill Creek NORTHUMBERLAND CO Tidal limit to mouth at Coan River

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing **Fecal Coliform** 85012 **1998 2010** VAP-A34E-05

Headly Cove, Mill Creek and a portion of the Coan River were assessed as impaired of the Shellfish Use in 1998 because of VDH SFC 145H and 145I, 2/25/1997. During the 2004 cycle, the segments expanded and merged due to VDH-DSS Condemnation Notice 145H, 11/27/2002. However the 12/18/2003 Coan River Shellfish TMDL report only addressed the original impairments, which will be considered Cat. 4A. The TMDL for the 2004 area is due in 2016. In addition, the segment expanded downstream again in the 2006 cycle; the TMDL for that portion is due in 2018 and is addressed in fact sheet VAP-A34E-32 (10068).

Sources: Non-Point Source

TMDL Watershed Name: Mills Branch

TMDL Group ID: 00802

VAN-A25R_WLB01A02 Mills Branch FAIRFAX CO Segment begins at the headwaters of Mills Branch and continues

downstream until the confluence with the Occoquan River. Mills Branch, a channeled flow under the Lorton landfill, is an unnamed tributary on the

Occoguan/Ft. Belvoir guads.

VA Overall AU Category: 5A

Use Impairment 1.81 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation Fecal Coliform 00802 2002 Although the data obtained during the 2006 assessment window shows exceedances

of the instantaneous fecal coliform bacteria criterion (1 of 8 samples - 14.3%) is categorized as having insufficient information, very little data has been collected from the DEQ's ambient water quality monitoring station (1AWLB000.06) since the previous assessment window. The segment shall remain categorized as impaired.

Sources: Source Unknown

TMDL Group ID: 01613

VAV-B31R_MLS01A02 Mills Creek AUGUSTA CO Mills Creek from the headwaters downstream to its confluence with Back

Creek.

VA Overall AU Category: **5A**

Use Impairment 8.50 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Benthic-Macroinvertebrate Bioassessments 01613 2002 2014

(Streams)

Sources: Atmospheric Deposition - Acidity

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Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins Milltown Creek TMDL Watershed Name: TMDL Group ID: 60000 VAN-A02R_MIH01A06 Milltown Creek LOUDOUN CO Segment begins at the confluence with an unnamed tributary to Milltown Creek, approximately 0.34 rivermile upstream from Route 681 near Milltown, and continues downstream until the confluence with Catoctin Creek. VA Overall AU Category: 3.85 MILES Use **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 60000 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 6 samples -Escherichia coli Recreation 50.0%) were recorded at DEQ's ambient water quality monitoring station (1AMIH001.98) at the Route 673 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

TMDL Watershed Name: Mine Run

TMDL Group ID: 60018

Assessment

VAN-A11R_MNR01A04 Mine Run FAIRFAX CO Segment begins at the confluence with an unnamed tributary to Mine Run, approximately 0.5 rivermile upstream from River Bend Road, and continues

downstream until the confluence with the Potomac River.

VA Overall AU Category: 5A
Use Impairment 0.93 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Use Impairment 0.93 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation Escherichia coli 60018 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples -

25.0%) were recorded at DEQ's ambient water quality monitoring station
(1AMNR000.72) at the Route 603 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.

Sources: Source Unknown

Sources: Source Unknown

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Assessment

Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: Monroe Creek TMDL Group ID: 00584 VAP-A31E_MON01A00 **Monroe Creek** WESTMORELAND CO Prohibited area around STP outfall as described in VDH shellfish condemnation 002-001D 11/15/2004 **POTMH** VA Overall AU Category: 5A Use **Impairment** 0.17 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 00584 2004 2016 VAP-A31E-10 **PCB** in Fish Tissue Fish Consumption Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49.

VAP-A31E MON02A98 Monroe Creek WESTMORELAND CO Described in VDH condemnation notice 002-001A, 11/15/2004

Expanded in 2006 cycle.

POTMH

catfish.

VA Overall AU Category: 5A

Use Impairment 0.48 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption PCB in Fish Tissue 00584 2004 2016 VAP-A31E-10

Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and

VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel

gizzard shad at 1AMON002.49.

VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel

catfish.

Sources: Source Unknown

Sources: Source Unknown

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Monroe Creek** TMDL Watershed Name: TMDL Group ID: 00584 VAP-A31E_MON03A98 **Monroe Bay** WESTMORELAND CO Described in VDH condemnation notice 002-001 M1, 11/15/2004 Size reduced in 2006 cycle **POTMH** VA Overall AU Category: Impairment 0.28 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Fish Consumption PCB in Fish Tissue 00584 2004 2016 VAP-A31E-10 Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49. VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish. Sources: Source Unknown VAP-A31E MON04A00 **Monroe Bay** WESTMORELAND CO Downstream of VDS-DSS condemnation area 001M1, 11/15/04 **POTMH** VA Overall AU Category: **Impairment** 0.52 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Fish Consumption **PCB** in Fish Tissue 00584 2004 2016 VAP-A31E-10 Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49. VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel

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Sources: Source Unknown

catfish.

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	andoah River Basins		
TMDL Watershed Name:		Monroe Creek	
TMDL Group ID:	00584		
VAP-A31E_MON05A04	Monroe Creek	WESTMORELAND CO	Described in VDH Condemnation 001C, 11/15/2004
			РОТМН
VA Overall AU Category: 5A Use	Impairment 0.00 SQUARE MILES TMDL Group IE) First Listed on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue 00584	2004 2016	VAP-A31E-10
			Monroe Creek was assessed not supporting of the Fish Consumption Use in the 2004 cycle based on exceedances of the tissue screening level for PCBs in white perch and gizzard shad at 1AMON002.49. VDH issued a Fish Consumption Advisory for Monroe Creek during the 2006 cycle (12/13/04) due to PCB contamination in gizzard shad, white perch, and channel catfish.
	Sources: Source Unknown		
TMDL Group ID:	00903		
VAP-A31E_MON02A98	Monroe Creek	WESTMORELAND CO	Described in VDH condemnation notice 002-001A, 11/15/2004
			Expanded in 2006 cycle.
			РОТМН
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.48 SQUARE MILES TMDL Group ID Fecal Coliform 00903	First Listed on 303(d) TMDL Schedu 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A31E-04
			VDH-DSS Condemnation 002-001A, 11/15/2004
	Courses Course Halasuun		Segment expanded in 2006.
TMD/ 0 10	Sources: Source Unknown		
TMDL Group ID:	10022		
VAP-A31R_MON01A98	Monroe Creek	WESTMORELAND CO	Monroe Creek watershed above the tidal limit.
VA Overall AU Category: 5C Use Aquatic Life		First Listed on 303(d) TMDL Schedu 2006 2018	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A31R-04
Aqualic Life	pH 10022	2000 2018	During the 2006 cycle, Monroe Creek was assessed as not supporting the Aquatic
	Sources Natival Condition	. Water Quality Standards Lies Attains	Life Use based on a pH violation rate of 18/20 at 1AMRC003.12.
	Sources. Natural Condition	s - Water Quality Standards Use Attaina	ability Arialyses incoucu

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Monroe Creek** TMDL Watershed Name: TMDL Group ID: 10023 VAP-A31R_MON01A98 Monroe Creek WESTMORELAND CO Monroe Creek watershed above the tidal limit. VA Overall AU Category: **Impairment** 9.68 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Oxygen, Dissolved 10023 2006 2018 VAP-A31R-04 During the 2006 cycle, Monroe Creek was assessed as not supporting the Aquatic Life Use based on a DO violation rate of 13/20 at 1AMRC003.12. Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed TMDL Watershed Name: **Mountain Run** TMDL Group ID: 01635 **ROCKINGHAM CO** Mountain Run and tributary from its confluence with Fridley Run VAV-B47R MTN01A00 Mountain Run downstream to its confluence with Smith Creek VA Overall AU Category: **Impairment 5.37 MILES** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 01635 Aquatic Life Benthic-Macroinvertebrate Bioassessments 2002 2014 (Streams) Sources: Atmospheric Deposition - Acidity **ROCKINGHAM CO** Mountain Run from the headwaters downstream to its confluence with VAV-B47R_MTN02A00 Mountain Run Fridley Run. VA Overall AU Category: Impairment 0.61 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life **Benthic-Macroinvertebrate Bioassessments** 01635 2002 2014 (Streams) Sources: Atmospheric Deposition - Acidity TMDL Group ID: 50238 VAV-B47R_MTN01A00 **Mountain Run ROCKINGHAM CO** Mountain Run and tributary from its confluence with Fridley Run downstream to its confluence with Smith Creek. VA Overall AU Category: 5D **Impairment** 5.37 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 50238 Recreation Escherichia coli 2006 2004 Category 4A - Federal TMDL ID # 21281 Sources: Wildlife Other than Waterfowl

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Assessment Unit ID	Waterbody Name	City	/ / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:			Mountain Run	
TMDL Group ID:	50238			
VAV-B47R_MTN02A00	Mountain Run	ROCH	KINGHAM CO	Mountain Run from the headwaters downstream to its confluence with Fridley Run.
VA Overall AU Category: 5D Use	Impairment 0.61 MILES	TMDL Group ID First Listed	on 303(d) TMDL Schedu	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli Sources:	50238 2006 Wildlife Other than Waterfowl	2004	Category 4A - Federal TMDL ID # 21281
TMDL Watershed Name:			Naked Creek	
TMDL Group ID:	00404			
VAV-B36R_NAK01A00	Naked Creek		AGE CO KINGHAM CO	Naked Creek including the East Branch from the headwaters downstream to its confluence with the South Fork Shenandoah River.
VA Overall AU Category: 5A Use Aquatic Life Benthic	Impairment 12.42 MILES c-Macroinvertebrate Bioassessments (Streams)	TMDL Group ID First Listed 00404 1998 Source Unknown		Impairment Specific Comments and/or Impairment Specific VA Category This stream fully supported the Aquatic Life Use during the 2002 assessment cycle but EPA would not approve De-listing. It was not visited during the 2004 assessment cycle.
TMDL Watershed Name:	Gouldes.		arrow Passage Cr	reek
 TMDL Group ID	01642			
VAV-B50R_NPC01A00	Narrow Passage Creek	SHEN	ANDOAH CO	Narrow Passage Creek from the 5 mile upper limit of the PWS designation for the Woodstock Public Water Intake downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 5A Use Recreation	Impairment 0.54 MILES Fecal Coliform Sources:	TMDL Group ID First Listed 01642 2002 Non-Point Source Wildlife Other than Waterfowl	* *	Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B50R_NPC02A00	Narrow Passage Creek	SHEN	ANDOAH CO	Narrow Passage Creek from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Woodstock Public Water Intake.
VA Overall AU Category: 5A Use Recreation	Impairment 10.23 MILES Fecal Coliform Sources:	TMDL Group ID First Listed 01642 2002 Non-Point Source Wildlife Other than Waterfowl	* *	Impairment Specific Comments and/or Impairment Specific VA Category

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Neabsco Bay	
TMDL Group ID:	00308		
VAN-A25E_NEA01A00	Neabsco Bay	PRINCE WILLIAM CO	Segment includes the tidal waters of Neabsco Bay downstream until the confluence with Occoquan Bay. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.80 SQUARE MILES TMD	DL Group ID First Listed on 303(d) TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	рН	00308 2002 2010	Three of 17 samples (17.6%) exceeded the upper range (9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. As a result, the aquatic life use is considered impaired.
	Sources: Source	Unknown	
TMDL Group ID:	00800		
VAN-A25E_NEA01A00	Neabsco Bay	PRINCE WILLIAM CO	Segment includes the tidal waters of Neabsco Bay downstream until the confluence with Occoquan Bay. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.80 SQUARE MILES TMD	DL Group ID First Listed on 303(d) TMDL Schedule	·
Recreation	Fecal Coliform	00800 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (7 of 26 samples - 26.9%) were recorded at DEQ's ambient water quality monitoring station (1ANEA000.57) midway into the bay to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source	Unknown	
TMDL Watershed Name:		Neabsco Creek	
TMDL Group ID:	00310		
VAN-A25R_NEA01A00	Neabsco Creek	PRINCE WILLIAM CO	Segment begins at the confluence with an unnamed tributary to Neabsco Creek, near Dale City and approximately 0.4 rivermile downstream from Route 784 (on the tributary) and continues downstream until the start of the tidal waters of Neabsco Bay.
VA Overall AU Category: 5A Use	Impairment 8.80 MILES TME	DL Group ID First Listed on 303(d) TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00310 2002 2010	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 17 samples - 29.4%) were recorded at DEQ's ambient water quality monitoring station (1ANEA002.89) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources: Source	Unknown	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ındoah River Basins		
TMDL Watershed Name:		Nomini	Creek
TMDL Group ID:	00915		
VAP-A32E_NOM01A04	Nomini Creek	WESTMORELAND (As described in VDH Shellfish Condemnation 082A, 7/14/2004.
			Extended from 1998 and now incorporates the previous Pierce Creek condemnations.
			РОТМН
VA Overall AU Category: 5A Use	Impairment 0.53 SQUARE MILE	ES TMDL Group ID First Listed on 303(d) TM	IDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	00915 1998	2010 VAP-A32E-04
			Portions of Nomini Creek (0.28 sq. mi.) and Pierce Creek (0.14 sq. mi.) were assessed as impaired in 1998. During the 2004 cycle, the condemnation was expanded and combined. The segment remains impaired per VDH Shellfish Restriction 082A, 7/14/2004.
	Sources:	Source Unknown	
TMDL Watershed Name:		North	River
TMDL Group ID:	00205		
VAV-B17R_NTH01A00	North River	ROCKINGHAM CO	North River from its confluence with Briery Branch downstream to its confluence with Dry River.
VA Overall AU Category: 5A Use	Impairment 3.39 MILES	TMDL Group ID First Listed on 303(d) TM	
Recreation	Fecal Coliform Sources:	00205 2002 Wildlife Other than Waterfowl	2010
VAV-B23R_NTH01A04	North River	AUGUSTA CO ROCKINGHAM CO	North River from its confluence with Naked Creek downstream to its confluence with South River.
VA Overall AU Category: 5A Use	Impairment 8.79 MILES	TMDL Group ID First Listed on 303(d) TN	1DL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli		2010
	Sources:	Non-Point Source Wildlife Other than Waterfowl	
Recreation	Fecal Coliform		2010
		Non-Point Source Wildlife Other than Waterfowl	

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Assessment

Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins North River TMDL Watershed Name: TMDL Group ID: 00205 VAV-B23R_NTH02A04 **North River ROCKINGHAM CO** North River from its confluence with Cooks Creek downstream to its confluence with Naked Creek. VA Overall AU Category: **Impairment** 6.93 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation Escherichia coli 00205 2004 2010 Sources: Non-Point Source Wildlife Other than Waterfowl **Fecal Coliform** 00205 Recreation 1996 2010 Sources: Non-Point Source Wildlife Other than Waterfowl VAV-B23R NTH03A04 **North River ROCKINGHAM CO** North River from the Harrisonburg Public Water Intake downstream to its confluence with Cooks Creek. VA Overall AU Category: Use **Impairment** 3.29 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Fecal Coliform** 00205 1996 2010 Recreation Sources: Non-Point Source Wildlife Other than Waterfowl **ROCKINGHAM CO** North River from its confluence with Dry River downstream to the VAV-B23R NTH04A04 **North River** Harrisonburg Public Water Intake. VA Overall AU Category: 5A **Impairment** 2.17 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Recreation **Fecal Coliform** 00205 1996 2010 Sources: Non-Point Source Wildlife Other than Waterfowl TMDL Group ID: 00206 North River from its confluence with Naked Creek downstream to its **AUGUSTA CO** VAV-B23R NTH01A04 **North River ROCKINGHAM CO** confluence with South River. VA Overall AU Category: **Impairment** 8.79 MILES Impairment Specific Comments and/or Impairment Specific VA Category Use TMDL Group ID First Listed on 303(d) TMDL Schedule Aquatic Life Benthic-Macroinvertebrate Bioassessments 00206 1998 2010 (Streams) Sources: Source Unknown

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Assessment Unit ID		Wat	erbody Name	9		City / County	/ *	Assessment Unit Description
Potomac and Sh	ena	ndoah R	River Basi	ns				
TMDL Watershed Name:		North River						
TMDL Grou	ıp ID:		00206					
VAV-B23R_NTH02A04		North River				ROCKINGHAM	CO	North River from its confluence with Cooks Creek downstream to its confluence with Naked Creek.
Use	5A enthic	Impairment	6.93 nebrate Bioasso		TMDL Group ID 00206	First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatio Elic Do			reams)			1000	2010	
				Sources:	Source Unknown			
TMDL Grou	ıp ID:		01603					
VAV-B16R_NTH01A00		North River				AUGUSTA CO)	North River from the Staunton Reservoir downstream to its confluence with Little River.
Use	5A	Impairment		MILES	•	First Listed on 303(d)		e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life			pН	Sources:	01603 Atmospheric Depos	2002 sition - Acidity	2014	
VAV-B16R_NTH02A00		North River				AUGUSTA CO)	North River from the Elkhorn Lake Dam downstream to the upper end of the Staunton Reservoir.
VA Overall AU Category: Use Aquatic Life	5A	Impairment	1.21 pH		TMDL Group ID 01603 Atmospheric Depos	First Listed on 303(d) 2002 ition - Acidity	TMDL Schedulo	e Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B16R_NTH03A00		North River				AUGUSTA CO)	North River from the headwaters downstream to the upper end of Elkhorn Lake.
VA Overall AU Category: Use Aquatic Life	5A	Impairment	16.36 p		TMDL Group ID 01603 Atmospheric Depos	First Listed on 303(d) 2002 aition - Acidity	TMDL Schedulo	e Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B17R_NTH04A00		North River				AUGUSTA CO)	North River from its confluence with Little River downstream to its confluence with Freemason Run.
VA Overall AU Category: Use Aquatic Life	5A	Impairment	4.46 pH		TMDL Group ID 01603 Atmospheric Depos	First Listed on 303(d) 2002 ition - Acidity	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description	
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Occoquan Bay		
TMDL Group ID:	00309			
VAN-A25E_OCC02A00	Occoquan Bay	FAIRFAX CO PRINCE WILLIAM CO	Segment extends 0.5 mile around the around the monitoring station 1AOCC002.47. Portion of CBP segment POTTF.	
VA Overall AU Category: 5A Use	Impairment 0.59 SQUARE MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life	рН	00309 2002 2010	Five of 16 samples (31.2%) exceeded the upper range (9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. As a result, the aquatic life use was assessed as not supporting.	
	Sources: S	ource Unknown		
TMDL Watershed Name:		Occoquan Reserve	pir	
TMDL Group ID:	00282			
VAN-A24L_OCC01A02	Occoquan Reservoir	FAIRFAX CO PRINCE WILLIAM CO	Segment includes all of the Occoquan Reservoir; extending from rivermile 20.14 on the Occoquan River and rivermile 5.18 on Bull Run downstream until the dam, located at rivermile 7.14 on the Occoquan.	
VA Overall AU Category: 5A Use	Impairment 1333.00 ACRES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life	Oxygen, Dissolved	00282 2002 2010	The aquatic life use is impaired due to low dissolved oxygen in the bottom waters of the reservoir. All five stations report excursions of the minimum dissolved oxygen criterion for Class III nontidal waters of 4.0 mg/L. Greater than 10% of samples exceed the criterion in the bottom waters for all four stations where stratification occurred (RE02, RE15, RE30, and RE35) and at two stations during periods with no stratification occurring (RE01 and RE02). It is believed that the aeration process performed by the county water authority near station RE02 is the cause of the low dissolved oxygen values observed in the surface waters.	
	Sources: N	latural Conditions - Water Quality Standards Use Attaina	bility Analyses Needed	
TMDL Watershed Name:	Occoquan River			
TMDL Group ID:	00231			
VAN-A20R_OCC02A00	Occoquan River	PRINCE WILLIAM CO	Segment begins downstream from the Lake Jackson impoundment and extends downstream until the confluence with Purcell Branch.	
VA Overall AU Category: 5A Use	Impairment 1.61 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul		
Recreation	Fecal Coliform	00231 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 8 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1AOCC024.74) at the Route 234 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.	
	Sources: S	ource Unknown		

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ındoah River Basins		
TMDL Watershed Name:		Occoquan R	River
TMDL Group ID:	00801		
VAN-A25E_OCC05A02	Occoquan River	FAIRFAX CO PRINCE WILLIAM CO	Segment extends from 0.5 rivermile upstream until 0.5 rivermile downstream of monitoring station 1AOCC006.71. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.05 SQUARE MILE	S TMDL Group ID First Listed on 303(d) TMDL S	chedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00801 2004 2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 13 samples - 15.4%) were recorded at DEQ's ambient water quality monitoring station (1AOCC006.71) at the Route 123 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown	
TMDL Group ID:	60055		
VAN-A20R_OCC01A04	Occoquan River	PRINCE WILLIAM CO	Segment begins at the confluence with Purcell Branch and continues downstream until the start of the Occoquan Reservoir.
VA Overall AU Category: 5A Use	Impairment 3.07 MILES	TMDL Group ID First Listed on 303(d) TMDL So	chedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60055 2006 2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 14 samples - 21.4%) were recorded at DEQ's ambient water quality monitoring station (1AOCC021.35) at the Route 3000 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown	capporting of the restauton dee god for the 2000 flater quality decection.
TMDL Watershed Name:		Orebank Cr	eek
TMDL Group ID:	50061		
VAV-B31R_ORE01A02	Orebank Creek	AUGUSTA CO	Orebrank Creek from the headwaters downstream to its confluence with Back Creek.
VA Overall AU Category: 5A Use	Impairment 3.00 MILES	TMDL Group ID First Listed on 303(d) TMDL So	chedule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	pH Sources:	50061 2006 2018 Atmospheric Deposition - Acidity	Newly listed for pH in 2006.

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Page Brook Ru	ın
TMDL Group ID:	01648		
VAV-B57R_PGE01A00	Page Brook Run	CLARKE CO	Page Brook Run and tributaries from the headwaters downstream to its confluence with Roseville Run.
VA Overall AU Category: 5A Use Recreation	Impairment 8.83 MILES Fecal Coliform Source	TMDL Group ID First Listed on 303(d) TMDL Scheol 01648 2004 2016 S: Non-Point Source Wildlife Other than Waterfowl	dule Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:		Paine Run	
TMDL Group ID:	01616		
VAV-B32R_PAN01A00	Paine Run	AUGUSTA CO ROCKINGHAM CO	Paine Run from the headwaters downstream to its confluence with South River.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 6.25 MILES pH Source	TMDL Group ID First Listed on 303(d) TMDL Scheo 01616 2004 2016 s: Atmospheric Deposition - Acidity	dule Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:		Panther Skin Cro	eek
TMDL Group ID:	60006		
VAN-A05R_PAE02A06	Panther Skin Creek	FAUQUIER CO LOUDOUN CO	Segment begins at the headwaters of Panther Skin Creek and continues downstream until the confluence with Jeffries Branch.
VA Overall AU Category: 5A Use	Impairment 5.05 MILES	TMDL Group ID First Listed on 303(d) TMDL Scheo	dule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60006 2006 2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 8 samples - 50.0%) were recorded at DEQ's ambient water quality monitoring station (1APAE004.21) at the Route 719 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	s: Source Unknown	

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Assessment Unit ID	Waterbody Name	City	/ County*	Assessment Unit Description
Potomac and Shena	andoah River Basins			
TMDL Watershed Name:			Passage Creek	
TMDL Group ID:	40112			
VAV-B54R_PSG01A00	Passage Creek		NDOAH CO RREN CO	Passage Creek from its confluence with Peters Mill Run downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 5A Use Recreation	Impairment 18.50 MILES Fecal Coliform Sources	TMDL Group ID First Listed of 40112 2006 Non-Point Source	on 303(d) TMDL Schedul 2016	le Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:			Pimmit Run	
TMDL Group ID:	00794			
VAN-A12R_PIM01A00	Pimmit Run		IGTON CO RFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 1.63 MILES	TMDL Group ID First Listed (on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00794 2002	2014	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (4 of 16 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1APIM000.15) at the Route 120 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	Source Unknown		
VAN-A12R_PIM02A00	Pimmit Run	FAIF	RFAX CO	Segment begins at the Route 309 bridge crossing, at rivermile 4.16, and continues downstream until the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695.
VA Overall AU Category: 5A Use	Impairment 2.53 MILES	TMDL Group ID First Listed (on 303(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00794 2002	2014	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%) is categorized as insufficient information, very little data has been collected from the DEQ's ambient water quality monitoring station (1APIM004.16) at Route 309 since the previous assessment window. The segment shall remain categorized as impaired.
	Sources	Source Unknown		

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	andoah River Basins		
TMDL Watershed Name:		Pimmit Run	
TMDL Group ID:	00794		
VAN-A12R_PIM02B06	Pimmit Run	FAIRFAX CO	Segment begins at the headwaters of Pimmit Run, approximately 0.12 rivermile upstream from Route 7, and continues downstream until the Route 309 bridge crossing, at rivermile 4.16.
VA Overall AU Category: 5A Use	Impairment 3.22 MILES	TMDL Group ID First Listed on 303(d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00794 2002 2014	Although the data obtained during the 2006 assessment window shows exceedances of the instantaneous fecal coliform bacteria criterion (1 of 7 samples - 14.3%) is categorized as insufficient information, very little data has been collected from the DEQ's ambient water quality monitoring station (1APIM004.16) at Route 309 since the previous assessment window. The segment shall remain categorized as impaired.
	Sources:	Source Unknown	
TMDL Group ID:	60022		
VAN-A12R_PIM01A00	Pimmit Run	ARLINGTON CO FAIRFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 1.63 MILES	TMDL Group ID First Listed on 303(d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Chlordane	60022 2006 2018	Exceedances of the water quality criterion based tissue value (TV) of 310 parts per billion (ppb) for chlordane in fish tissue were recorded in one specie of fish samples collected in 2001 and 2004 at monitoring station 1APIM000.15 (American eel).
	Sources:	Source Unknown	
TMDL Group ID:	60023		
VAN-A12R_PIM01A00	Pimmit Run	ARLINGTON CO FAIRFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 1.63 MILES	TMDL Group ID First Listed on 303(d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Heptachlor epoxide	60023 2006 2018	Exceedances of the water quality criterion based tissue value (TV) of 12 parts per billion (ppb) for heptachlor epoxide in fish tissue were recorded in one specie of fish samples collected in 2001 and 2004 at monitoring station 1APIM000.15 (American eel).
	Sources:	Source Unknown	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Sheno	andoah River Basins		
TMDL Watershed Name:		Pimmit Run	
TMDL Group ID	60134		
VAN-A12R_PIM01A00	Pimmit Run	ARLINGTON CO FAIRFAX CO	Segment begins at the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 1.63 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60134 2006 2018	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge. Exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in one specie of fish samples collected in 2001 and 2004 at monitoring station 1APIM000.15 (American eel).
	Sources:	Source Unknown	
VAN-A12R_PIM02A00 VA Overall AU Category: 5A	Pimmit Run	FAIRFAX CO	Segment begins at the Route 309 bridge crossing, at rivermile 4.16, and continues downstream until the confluence with Little Pimmit Run, approximately 0.1 rivermile downstream from Route 695.
Use	Impairment 2.53 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedu	lle Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	60134 2006 2018 Source Unknown	The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits American eel consumption to no more than two meals per month. The affected area includes the following tributaries in the Potomac River basin between the VA/MD state line near the Route 340 bridge (Loudoun County) to the I-395 bridge (Arlington County); Goose Creek up to the Dulles Greenway Road Bridge, Broad Run up to the Route 625 bridge, Difficult Run up to the Route 7 bridge, and Pimmit Run up to the Route 309 bridge.
	Sources.	Source Ottkilowii	

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Assessment Unit ID	Waterbody Name	City / Co	unty*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:			Pohick Bay	
TMDL Group ID:	60041			
VAN-A15E_POH02A00	Pohick Bay	FAIRFA	(CO	Segment includes tidal waters of Pohick Creek, from the boundary of watershed A15, and extends until rivermile 1.31 in Gunston Cove. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.61 SQUARE MIL	ES TMDL Group ID First Listed on 30	3(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	60041 2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 22 samples - 13.6%) were recorded at DEQ's ambient water quality monitoring station (1APOH002.32) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown		
TMDL Group ID:	60044			
VAN-A16E_POH01A06	Pohick Bay	FAIRFA	(CO	Segment includes tidal waters of Pohick Creek upstream from the boundary of watershed A16. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.29 SQUARE MIL	ES TMDL Group ID First Listed on 30	3(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	60044 2006	2018	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (3 of 22 samples - 13.6%) were recorded at DEQ's ambient water quality monitoring station (1APOH002.32) to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown		
TMDL Watershed Name:		Р	ohick Creek	
TMDL Group ID:	00799			
VAN-A16R_POH01A00	Pohick Creek	FAIRFA	(CO	Segment begins at the confluence with South Run, approximately 0.25 rivermile upstream from I-95, and continues downstream until the end of the free-flowing portion of Pohick Creek.
VA Overall AU Category: 5A Use	Impairment 3.20 MILES	TMDL Group ID First Listed on 30	3(d) TMDL Schedu	ule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Benzo[k]fluoranthene	00799 2002	2014	DEQ fish tissue/sediment station 1APOH004.79 was sampled in 1996. The fish consumption impairment remains, even though the data is from outside the assessment period. The fish consumption impairment is due to exceedances of the water quality criterion based tissue value (TV) of 15 ppb for benzo(k)fluoranthene in fish tissue. Exceedance of the TV for benzo(k)fluoranthene was exceeded in three species (bullhead catfish, white perch, and sunfish).
	Sources	: Source Unknown		

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Assessment Unit ID	Waterbody Name	City / County	/ *	Assessment Unit Description
Potomac and Shend	andoah River Basins			
TMDL Watershed Name:		Pohic	k Creek	
TMDL Group ID:	60046			
VAN-A16R_POH01A00	Pohick Creek	FAIRFAX CO		Segment begins at the confluence with South Run, approximately 0.25 rivermile upstream from I-95, and continues downstream until the end of the free-flowing portion of Pohick Creek.
VA Overall AU Category: 5A Use	Impairment 3.20 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60046 2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1APOH005.36) at the Route One bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown		
VAN-A16R_POH03A04	Pohick Creek	FAIRFAX CO		Segment begins at the confluence with Sideburn Branch and continues downstream until the confluence with an unnamed tributary to Pohick Creek, at rivermile 14.18.
VA Overall AU Category: 5A Use	Impairment 1.52 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60046 2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 3 samples 100%) were recorded at DEQ's ambient water quality monitoring station (1APOH015.09) at the Route 645 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown		
TMDL Watershed Name:		Pope	s Creek	
TMDL Group ID:	00904			
VAP-A31E_POP01A98	Popes Creek	WESTMORELAND	СО	Described in condemnation notice.
VA Overall AU Category: 5A Use	Impairment 0.41 SQUARE MIL	.ES TMDL Group ID First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Shellfishing	Fecal Coliform	00904 1998	2010	VAP-A31E-07
				The segment was assessed as not supporting the Shellfish Consumption Use based on VDH-DSS Shellfish Condemnation 146, 4/27/1989. The TMDL is due 2010.
	Sources	: Source Unknown		

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Popes Creek

TMDL Group ID: 00905

VAP-A31E_POP01A98 Popes Creek WESTMORELAND CO Described in condemnation notice.

VA Overall AU Category: **5A**

Use Impairment 0.41 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation **Enterococcus** 00905 **2006 2014** VAP-A31E-07

Popes Creek was initially assessed as impaired of the Recreation Use in 2002 based on fecal coliform standard violations at 1APOP000.38. During the 2006 cycle, the fecal coliform rate remained impaired (2/7) and enterococci was added as an

impairment (2/6). The bacteria TMDL is due 2014

Sources: Source Unknown

Recreation Fecal Coliform 00905 1998 2014 VAP-A31E-07

Popes Creek was initially assessed as impaired of the Recreation Use in 2002 based on fecal coliform standard violations at 1APOP000.38. During the 2006 cycle, the fecal coliform rate remained impaired (2/7) and enterococci was added as an

impairment (2/6). The bacteria TMDL is due 2014

Sources: Source Unknown

TMDL Group ID: 10019

VAP-A31R POP01A00 Popes Creek WESTMORELAND CO Watershed above tidal limit.

VA Overall AU Category: 5C

Use Impairment 13.69 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Oxygen, Dissolved** 10019 **2006 2018** VAP-A31R-03

Popes Creek is assessed as not supporting the Aquatic Life Use based on a dissolved

oxygen violation rate of 2/11 and a pH violation rate of 3/11 at 1APOP003.92.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

TMDL Group ID: 10020

VAP-A31R POP01A00 Popes Creek WESTMORELAND CO Watershed above tidal limit.

VA Overall AU Category: **5C**

Use Impairment 13.69 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life pH 10020 2006 2018 VAP-A31R-03

Popes Creek is assessed as not supporting the Aquatic Life Use based on a dissolved

oxygen violation rate of 2/11 and a pH violation rate of 3/11 at 1APOP003.92.

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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Assessment Unit ID	Waterbody Name	City / County	r*	Assessment Unit Description
Potomac and Shena	ındoah River Basins			
TMDL Watershed Name:		Popes I	lead Cree	k
TMDL Group ID:	00236			
VAN-A23R_POE01A00	Popes Head Creek	FAIRFAX CO		Segment begins at the confluence with Piney Branch, approximately 0.25 rivermile downstream from Route 660, and continues downstream until the confluence with Bull Run.
VA Overall AU Category: 5A Use	Impairment 4.92 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00236 2006	2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (5 of 18 samples - 27.8%) were recorded at DEQ's ambient water quality monitoring station (1APOE002.00) at the Route 645 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.
	Sources:	Source Unknown		
TMDL Group ID:	00237			
VAN-A23R_POE01A00	Popes Head Creek	FAIRFAX CO		Segment begins at the confluence with Piney Branch, approximately 0.25 rivermile downstream from Route 660, and continues downstream until the confluence with Bull Run.
VA Overall AU Category: 5A Use	Impairment 4.92 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	c-Macroinvertebrate Bioassessments (Streams)	00237 1998	2010	DEQ benthic macroinvertebrate biological monitoring finds this segment to be slightly impaired.
	Sources:	Source Unknown		
TMDL Watershed Name:		Potom	ac Creek	
TMDL Group ID:	00814			
VAN-A29E_POM02A02	Potomac Creek	KING GEORGE STAFFORD C		Segment extends a half-mile radius around monitoring station 1APOM002.41. Portion of CBP segment POTOH.
VA Overall AU Category: 5A Use	Impairment 0.60 SQUARE MILES	S TMDL Group ID First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Chloride	00814 2004	2016	Four exceedances of the chloride standard were recorded at DEQ monitoring station 1APOM002.41, contributing to the not supporting assessment of the aquatic life use goal. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteria apply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
	Sources:	Natural Sources		, and a second contained to the state of the second contained to

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Assessment Unit ID	Waterbody Name		City / Count	y*	Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Poton	nac Creek	
TMDL Group ID:	00814				
Wildlife	Chloride	00814	2004	2016	Four exceedances of the chloride standard were recorded at DEQ monitoring station 1APOM002.41, contributing to the not supporting assessment of the aquatic life use goal. This segment is considered transition zone tidal waters. The Water Quality Standards stipulate that the more stringent of either the freshwater or saltwater criteriapply. Therefore, these waters are listed as impaired. However, a TMDL is not necessary as the chloride levels are attributable to the natural estuarine conditions.
	Sou	ırces: Natural Sources			
TMDL Group ID:	00815				
VAN-A29E_POM02A02	Potomac Creek		KING GEORGE STAFFORD C	0	Segment extends a half-mile radius around monitoring station 1APOM002.41. Portion of CBP segment POTOH.
VA Overall AU Category: 5A Use	Impairment 0.60 SQUARE	E MILES TMDL Group ID	First Listed on 303(d)	TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	рН	00815	2002		Sufficient exceedances of the instantaneous pH criterion (2 of 17 samples - 11.8%) were recorded at DEQ's ambient water quality monitoring station (1APOM002.41) to assess this segment as not supporting of the aquatic life use goal for the 2006 water quality assessment. The exceedances were greater than the upper range (9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards.
	Sou	ırces: Source Unknown			.
TMDL Group ID:	00818				
VAN-A29R_POM01A00	Potomac Creek		STAFFORD C		Segment begins at the railroad crossing at the west end of swamp, upstream from Route 608, and continues downstream until the east end of swamp.
VA Overall AU Category: 5C Use	Impairment 2.23 MILES	TMDI Croup ID	First Listed on 303(d)	TMDI Schodulo	Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved	00818	2002	2014	Sufficient exceedances of the instantaneous dissolved oxygen criterion (6 of 21 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1APOM006.72) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.
	Sou	rces: Natural Conditions	- Water Quality Standar		

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Assessment Unit ID	Waterbody Name	City / County	/ *	Assessment Unit Description
Potomac and Shena	ındoah River Basins			
TMDL Watershed Name:		Potom	ac Creek	
TMDL Group ID:	00819			
VAN-A29R_POM01A00	Potomac Creek	STAFFORD C		Segment begins at the railroad crossing at the west end of swamp, upstream from Route 608, and continues downstream until the east end of swamp.
VA Overall AU Category: 5C Use	Impairment 2.23 MILES	TMDL Group ID First Listed on 303(d)		e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	рН	00819 2004	2016	Sufficient exceedances of the instantaneous pH criterion (4 of 19 samples - 21.0%) were recorded at DEQ's ambient water quality monitoring station (1APOM006.72) at the Route 608 bridge to assess this stream segment as not supporting of the aquatic life use goal for the 2006 water quality assessment.
	Sources	: Natural Conditions - Water Quality Standar	ds Use Attainal	bility Analyses Needed
TMDL Group ID:	00820			
VAN-A29R_POM01A00	Potomac Creek	STAFFORD C		Segment begins at the railroad crossing at the west end of swamp, upstream from Route 608, and continues downstream until the east end of swamp.
VA Overall AU Category: 5C Use	Impairment 2.23 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00820 2006	2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples - 33.3%) were recorded at DEQ's ambient water quality monitoring station (1APOM006.72) at the Route 608 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2004.
	Sources	: Natural Conditions - Water Quality Standar	ds Use Attainal	bility Analyses Needed
VAN-A29R_POM03A06	Potomac Creek	STAFFORD C		Segment begins at the outlet for Able Lake and continues downstream until the confluence with an unnamed tributary to Potomac Creek, at rivermile 9.12.
VA Overall AU Category: 5A Use	Impairment 3.88 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00820 2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1APOM012.24) at the Route 627 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown		

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_BRG01A04 Bridges Creek WESTMORELAND CO Tidal limit to mouth

POTMH

VA Overall AU Category: 5A

Use Impairment 0.19 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

Potomac Mesohaline failed the Submerged Aquatic Vegetation Acreage during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

Potomac Mesohaline failed the Submerged Aquatic Vegetation Acreage during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_GLD01A00 Goldman Creek WESTMORELAND CO Described in previous condemnation notice 088A.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The meschaline

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MA001A98 Mattox Creek WESTMORELAND CO Described in the condemnation notice 002-001B, 11/15/2004.

Segment expanded in 2006 cycle.

POTMH

VA Overall AU Category: 54

Use Impairment 0.63 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cvcl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments
Internal Nutrient Recycling
Loss of Riparian Habitat

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010

The meschalin

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MAO02A00 Mattox Creek WESTMORELAND CO Downstream of VDH-DSS condemnation area 001E, 11/15/04.

Segment shortened in 2006 cycle

POTMH

VA Overall AU Category: 54

Use Impairment 0.53 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cvcl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-0

The meschaline ne

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MAO03A04 Mattox Creek WESTMORELAND CO As described in VDH Condemnation 002-001E, 11/15/04

Prohibited zone

POTMH

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MON01A00 Monroe Creek WESTMORELAND CO Prohibited area around STP outfall as described in VDH shellfish

condemnation 002-001D 11/15/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.17 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MON02A98 Monroe Creek WESTMORELAND CO Described in VDH condemnation notice 002-001A, 11/15/2004

Expanded in 2006 cycle.

POTMH

VA Overall AU Category: 5

Use Impairment 0.48 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cvc

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10051 2006

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MON03A98 Monroe Bay WESTMORELAND CO Described in VDH condemnation notice 002-001 M1, 11/15/2004

Size reduced in 2006 cycle

POTMH

VA Overall AU Category: 54

Use Impairment 0.28 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006

10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MON04A00 Monroe Bay WESTMORELAND CO Downstream of VDS-DSS condemnation area 001M1, 11/15/04

POTMH

VA Overall AU Category: 5A

Use Impairment 0.52 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohal

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin.	Potomac	and She	nandoah	River	Rasins
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_MON05A04 Monroe Creek WESTMORELAND CO Described in VDH Condemnation 001C, 11/15/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.00 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The meschalin

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shena	andoah	River	Rasins
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_POP01A98 Popes Creek WESTMORELAND CO Described in condemnation notice.

VA Overall AU Category: 5A

Use Impairment 0.41 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shonar	ıdoah	River	Rasins
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_ROS01A98 Rosier Creek WESTMORELAND CO Described in VDH condemnation notice 088A, 9/22/2004.

Segment expanded in 2006

POTMH

VA Overall AU Category: 5/

Use Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cyc

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_ROS02A00 Rosier Creek WESTMORELAND CO From the downstream limit of segment ROS01A98 to its mouth at the

Potomac River.

Size reduced in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

Sources: Agriculture
Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge

Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	amanam	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A31E_ZZZ01A00 Unsegmented estuaries in A31 WESTMORELAND CO Unsegmented portion of watershed.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 **2006**

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	amanam	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_BAN01A00 Barnes Creek WESTMORELAND CO Downstream of the tidal limit.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID: 10051

VAP-A32E_BRA01A98 **Branson Cove** WESTMORELAND CO Described in the condemnation notice 083C, 12/18/02

POTMH

VA Overall AU Category:

Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	amanam	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

VAP-A32E_BUB01A04 Buckner Creek WESTMORELAND CO As described in VDH Condemnation 082B, 7/14/04

POTMH

Segment shortened in 2006

VA Overall AU Category: **5A**

Use Impairment 0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cvcl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	amanam	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_BUB02A06 Buckner Creek WESTMORELAND CO Downstream of condemnation 004-082B, 7/14/04

POTMH

VA Overall AU Category: 5A

Use Impairment 0.29 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_CAP01A04 Cabin Point Creek WESTMORELAND CO As described in the condemnation notice 165, 4/27/1989

POTMH

VA Overall AU Category: 5A

Vegetation

Use Impairment 0.12 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Aquatic Plants (Macrophytes) 10051 Submerged Aquatic

10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_CHB01A98 Cold Harbor Bay WESTMORELAND CO Described in the condemnation notice 004-184A, 8/23/04.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.09 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
FOIOMAC	unu Snen	lurluqur	niver	DUSLIIS

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_CHB02A06 Cold Harbor Creek WESTMORELAND CO Described in VDH condemnation 004-184M1, 8/23/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesor

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

Currioman Creek WESTMORELAND CO Described in the condemnation notice 004-184B, 8/23/2004.

Square mileage adjusted in 2006.

POTMH

VA Overall AU Category: 5

VAP-A32E_CUR01A98

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cyc

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051

51 **2006**

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_CUR02A00 Currioman Bay WESTMORELAND CO Downstream of Currioman Creek.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.72 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A32E_GLB01A00 Glebe and Ames Creeks WESTMORELAND CO Downstream of tidal limit.

POTMH

Mileage adjusted in 2006

VA Overall AU Category:

Use

Impairment

0.24 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_LOW01A04 Lower Machodoc Creek WESTMORELAND CO As described in VDH condemnation notice 083A, 12/18/2002.

Listed in 1998. Mileage adjusted in 2006

POTMH

VA Overall AU Category: 54

Use Impairment 0.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051

051 **2006**

2010 V

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID:

10051

VAP-A32E_LOW02A00 **Lower Machodoc Creek** WESTMORELAND CO Boundary of condemned area 083A, 12/18/2002 downstream to start of

deep water use at approx. rivermile 0.5.

POTMH

Mileage adjusted in 2006

VA Overall AU Category:

Impairment Use

1.91 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

10051 Aquatic Life **Aquatic Plants (Macrophytes)** 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

VAP-A32E_LOW03A06 Lower Machodoc Creek WESTMORELAND CO Start of Deep Water Use at approximately rivermile 0.5 to mouth

POTMH

VA Overall AU Category: 5A

Use Impairment 1.18 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The second of

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basi

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_NOM01A04 Nomini Creek WESTMORELAND CO As described in VDH Shellfish Condemnation 082A, 7/14/2004.

Extended from 1998 and now incorporates the previous Pierce Creek

condemnations.

POTMH

VA Overall AU Category: 54

Use Impairment 0.53 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

A - 2 - 11 - -

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basi	ins
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TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID:

10051

VAP-A32E_NOM02A00 **Nomini Creek WESTMORELAND CO** Downstream condemnation boundary to the start of the deepwater use at

approximately river mile 1.

In 2006, segment was merged with VAP-A32E_NOM03A00 and the downstream boundary adjusted slightly to reconcile with the deepwater

boundary.

POTMH

VA Overall AU Category:

Impairment Use

2.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

10051 Aquatic Life Aquatic Plants (Macrophytes) 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_NOM04A00 Nomini Creek WESTMORELAND CO Downstream of deepwater use boundary at approx. river mile 1.0.

POTMH

VA Overall AU Category: 5A

Use Impairment 2.52 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the open water summer dissolved oxygen criteria and the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic

-Water Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

Vegetation

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

10051

VAP-A32E_NOP01A02 North Prong Buckner Creek WESTMORELAND CO Described in the condemnation notice 004-082C, 7/14/2004.

POTMH

Mileage adjusted in 2006

Mileage adjusted in 2006

VA Overall AU Category: 5/

Use Impairmen

Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

Weatherall Creek WESTMORELAND CO Downstream of condemnation 083B, 12/18/2002

POTMH

VA Overall AU Category:

VAP-A32E_WEA01A00

Use

Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_WEA02A04 Weatherall Creek WESTMORELAND CO As described in VDH Shellfish condemnation 083B, 12/18/2002.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenan	doah	River	Rasins
<i>I (//(/////////////////////////////////</i>	44.77.44. A	>// C.////		NIVE	

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A32E_ZZZ01A00 Unsegmented estuaries in A32 WESTMORELAND CO Unsegmented portion of watershed.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.25 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_BOM01A98 Bonum Creek WESTMORELAND CO Described in the condemnation notice 006-159, 7/2/2002.

Square mileage was changed in 2006 condemnation, although the area

remained the same.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

2000

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Bas

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID: 10051

VAP-A33E_DRM01A06 **Drum Cove** NORTHUMBERLAND CO Described in 007-028D, 07/21/2004

POTMH

Segment shortened in 2006

POTMH

VA Overall AU Category:

Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category

10051 Aquatic Life **Aquatic Plants (Macrophytes)** 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

> Sources: Agriculture Atmospheric Deposition - Nitrogen

> > Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan		KIVET	DUNINS

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_DUA01A04 **Dungan Cove** NORTHUMBERLAND CO As described in VDH Shellfish Condemnation 007-028G, 7/14/2006

Mileage adjusted slightly in 2006 although area did not change.

POTMH

VA Overall AU Category:

Use

Impairment

0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_DUA02A00 Dungan Cove NORTHUMBERLAND CO Downstream of condemnation notice 028G, 7/14/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water
Submerged Aquatic
Vegetation

ater Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
FOIOMAC	unu Snen	lurluqur	niver	DUSLIIS

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_GAD01A98 **Gardner Creek** WESTMORELAND CO Described in the condemnation notice 143, 7/2/2002.

Size adjusted in 2006 cycle

POTMH

VA Overall AU Category:

Impairment Use

0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID: 10051

Downstream of Segment VAP-A33E_GAD01A98. VAP-A33E_GAD02A00 **Gardner Creek** WESTMORELAND CO

POTMH

VA Overall AU Category:

Impairment Use

0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VA Overall AU Category:

VAP-A33E_HAM01A02 Hampton Hall Branch, Kinsale Branch NORTHUMBERLAND CO Described in the condemnation notice 007-028C, 7/21/2004. Segment

WESTMORELAND CO expanded and incorporated the segment VAP-A33E_KIS01A00 in 2006

POTMH

Use Impairment 0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Aquatic Plants (Macrophytes) 10051 **2006 2010** VAP-A31E-02 Submerged Aquatic

Vegetation

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_JCK01A98 Jackson Creek WESTMORELAND CO Described in the condemnation notice 144, 7/2/2002

POTMH

Square mileage adjusted in 2006, although area did not change

VA Overall AU Category: 5A

Use Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments
Industrial Point Source Discharge

Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_LOG01A98 Lodge Creek NORTHUMBERLAND CO Described in the condemnation notice 007-028H, 7/14/2004.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

10051

VAP-A33E_LOG02A98 Lodge Creek NORTHUMBERLAND CO Described in the condemnation notice 007-028F, 7/21/2004.

Expanded in 2004 and incorporated previous 2002 LOG03A00 segment.

Sq. mileage adjusted in 2006, although area has not changed.

POMTH

VA Overall AU Category: 5A

Use Impairment 0.25 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan		KIVET	DUNINS

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_MIA01A98 Mill Creek NORTHUMBERLAND CO Described in the condemnation notice 07/21/2004.

Segment expanded in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cyc

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A3

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_MIA02A02 Mill Creek MILO CO MILO Creek from MIA01A98 to the mouth.

Segment shortened in 2006

POTMH

VA Overall AU Category: 54

Use Impairment 0.15 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	aman	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_RAG01A06 Ragged Point Bay NORTHUMBERLAND CO Described in VDH-DSS condemnation 006-M208, 4/13/1989

WESTMORELAND CO

POTMH

VA Overall AU Category: **5A**

Vegetation

Use Impairment 0.20 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Aquatic Plants (Macrophytes) 10051 2006 2010 Submerged Aquatic

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_SHA01A98 Shannon Branch WESTMORELAND CO Described in the condemnation notice 007-028A, 07/21/2004.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID: 10051

VAP-A33E_SHA02A00 **Shannon Branch** WESTMORELAND CO Downstream of SHA01A98.

POTMH

VA Overall AU Category:

Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Chanan	doah	Dingr	Racina
Folomuc	unu.	Snenun	uvun	Niver	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_SHA03A06 Shannon Branch WESTMORELAND CO Described in VDH-DSS condemnation 007-028M1, 07/21/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

-.

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
FOIOMAC	unu Snen	lurluqur	niver	DUSLIIS

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_SOV01A02 South Yeocomico River NORTHUMBERLAND CO South Yeocomico River except Dungan Cove

Sq. mileage adjusted in 2006

POTMH

VA Overall AU Category:

Use

Impairment

0.83 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Chanan	doah	Dingr	Racina
Folomuc	unu.	Snenun	uvun	Niver	Dusins

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_SOV02A06 South Yeocomico River NORTHUMBERLAND CO Described in VDH-DSS condemnation 007-028M4, 7/21/2004

POTMH

VA Overall AU Category:

Use

Impairment

0.11 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Bas

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_WES01A06 **West Yeocomico River** WESTMORELAND CO Described in VDH-DSS condemnation 007-028M3, 07/21/2006

POTMH

VA Overall AU Category:

Use

Impairment

0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051

2006

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A33E_WES02A06 West Yeocomico River NORTHUMBERLAND CO Downstream of condemnations

WESTMORELAND CO

POTMH

VA Overall AU Category: 5A

Use Impairment 0.38 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006

10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and	Shena	ndoah	River	Rasins
I WWW.		NILEILL	,,,,,,,,,,,,	NIVEI	<i> </i>

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_WHP01A98 **White Point Creek WESTMORELAND CO** Described in the condemnation notice 007-028B, 07/21/2004.

Size adjusted in 2006 cycle.

POTMH

VA Overall AU Category:

Use

Impairment

0.08 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and S	Shonan	doah	River	Rasins
	4 4 . T T . C A . A)// <i>C.//////</i>		NIVEI	

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_WHP02A00 **White Point Creek WESTMORELAND CO** Downstream of segment WHP01A98.

Segment shortened in 2006

POTMH

VA Overall AU Category:

Use

Impairment

0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID: 10051

NW Yeocomico (White Point Creek/Shannon VAP-A33E_WHP03A06 **WESTMORELAND CO** Described in VDH-DSS condemnation 007-028M2, 07/21/2004

Branch)

POTMH

VA Overall AU Category: 5A

Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

Submerged Aquatic The mesohaline portion of the Potomac failed the SAV acreage standards during the Vegetation

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A33E_YEO01A02 **Yeocomico River and Tributaries** NORTHUMBERLAND CO Yeocomico River

WESTMORELAND CO

POTMH

VA Overall AU Category:

Impairment Use

1.84 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

Unsegmented estuaries in A33 NORTHUMBERLAND CO Unsegmented portion of the watershed.

WESTMORELAND CO

POTMH

VA Overall AU Category: 5A

VAP-A33E_ZZZ01A00

Use Impairment 0.73 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A34E_BOT01A04 **Boathouse Creek** NORTHUMBERLAND CO As described in VDH Shellfish Condemnation 008-214F, 12/29/2003

POTMH

VA Overall AU Category:

Use

Impairment

0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Bas

Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A34E_BRD01A98 **Bridgeman Creek** NORTHUMBERLAND CO Described in the condemnation notice 009-142A, 12/22/2004.

Sq. mileage adjusted in 2006 although area did not change

POTMH

VA Overall AU Category:

Impairment Use

0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

10051

VAP-A34E_COA01A02 Coan River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145H, 11/27/2002, not

otherwise segmented.

Size adjusted in 2006

POTMH

VA Overall AU Category: 54

Use Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006** 2010 VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges
Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

Coan River NORTHUMBERLAND CO Described in SFC 008-214E, 12/29/2003 not otherwise segmented.

POTMH

VA Overall AU Category: 5A

VAP-A34E_COA01A06

Use Impairment 0.06 SQUA

nent 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Bas

TMDL Watershed Name: **Potomac Mesohaline Embayments**

TMDL Group ID: 10051

VAP-A34E_COA01A98 Coan River NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145I, 2/25/1997, not

otherwise segmented.

POTMH

VA Overall AU Category:

Use **Impairment** 0.33 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

10051 2006 2010 VAP-A31E-02 Aquatic Life **Aquatic Plants (Macrophytes)**

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes) 10051 2006 2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

10051

VAP-A34E_COA02A02 Coan River NORTHUMBERLAND CO From SFC 008-214E, 12/29/2003 to its mouth at the Potomac, excluding

otherwise segmented waterbodies.

Segment adjusted in 2006 cycle

POTMH

VA Overall AU Category: 54

Use Impairment 2.65 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and.	Shenan	doah	River	Rasins
				IN I VE.I	

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

10051

VAP-A34E_COC01A98 Cod Creek NORTHUMBERLAND CO Described in the condemnation notice 009-141A, 12/22/04.

Segment extended in 2006 into 2004 segment VAP-A34E_COC02A04,

which was deleted.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	Potomac	and.	Shone	andoah	River	Rasins
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_COC01B02 Cod Creek NORTHUMBERLAND CO Described in the condemnation notice 009-141B, 12/22/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010

0 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_CUT01A98 Cubitt Creek NORTHUMBERLAND CO Described in the condemnation notice 009-168, 4/27/1989

POTMH.

VA Overall AU Category: 5A

Use Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051

2006

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

10051

VAP-A34E_FTN01A06 Fountain Cove NORTHUMBERLAND CO Described in VDH-DSS condemnation 009-142B, 12/22/2004

POTMH

VA Overall AU Category: 5A

Use

Impairment

0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)**

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_GLB01A04 The Glebe NORTHUMBERLAND CO VDH-DSS notice 145C, 11/27/2002 boundary upstream to VDDH-DSS

notice 145D, 2/25/1997 boundary

POTMH

VA Overall AU Category: 5A

Use Impairment 0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 **2006**

2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_GLB01A98 The Glebe NORTHUMBERLAND CO Described in the condemnation notice 145D, 2/25/1997.

POTMH

VA Overall AU Category: 5D

Use Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_GLB02A00 The Glebe NORTHUMBERLAND CO VDH-DSS condemnation 008-213B, 12/29/2003 not otherwise segmented

Size extended in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.26 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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10051

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	Potomac	and.	Shone	andoah	River	Rasins
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID:

VAP-A34E_GLB03A00 The Glebe NORTHUMBERLAND CO Downstream of VDH-DSS SFC 008-213B, 12/2/2003 to its mouth at the

Coan River.

Size reduced in 2006 due to upstream condemnations

POTMH

VA Overall AU Category: 54

Use Impairment 0.40 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_GLB04A04 The Glebe NORTHUMBERLAND CO Described in the VDH-DSS Shellfish Condemnation 145A, 11/27/2002

POTMH

VA Overall AU Category: 5A

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

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The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_HAC01A00 Hack Creek NORTHUMBERLAND CO Tidal limit to mouth at Potomac River.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.21 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 **2006**

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_HEA01A98 Headly Cove NORTHUMBERLAND CO Described in the VDH-DSS Condemnation Notice 145H, 2/25/1997.

POTMH

VAP-A31E-02

VA Overall AU Category: 5A

Use Impairment 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010

The mesohal

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shon	andoal	h River	Rasins
1 viviiiuc	unu	DHEIL	unuunun	ı nivei	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_HUL01A02 Hull Creek NORTHUMBERLAND CO Hull Creek, excluding Spring Cove, as described in condemnation notice

009-142 12/22/2004.

Size expanded in 2006

POTMH

VA Overall AU Category: 5A

Use Impairment 0.35 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat Municipal Point Source Discharges

Sediment Resuspension (Clean Sediment)
Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_KIN01A00 Kingscote Creek NORTHUMBERLAND CO Tidal limit to the Coan River.

POTMH

VA Overall AU Category: 5A

Use Impairment 0.29 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_KIN02A06 Kingscote Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213M1, 12/29/03

POTMH

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The meachali

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_KIN03A06 Kingscote Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213M2, 12/29/2003

POTMH

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

20

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_KIN04A06 Kingscote Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 008-213A, 12/29/2003

POTMH

VA Overall AU Category: 5A

Use Impairment 0.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the 2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Chonan	doah	River	Rasins
		<i>THE HILL</i>		NIVEI	

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_KNC01A98 Killneck Creek NORTHUMBERLAND CO Described in the condemnation notice 8-214B, 12/29/2003.

POTMH

VA Overall AU Category: 5D

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 c

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and	Shenai	ndoah	River	Rasins
1 ViVIIIuc	$u_{II}u_{II}$	Duchui	ıuvuıı	$I \cup I \cup I$	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_KNC01B06 Killneck Creek NORTHUMBERLAND CO Described in VDH-DSS condemnation 8-214A, 12/29/2003

POTMH

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUU	ii nivei	I JUNIUN

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_MII01A06 Mill Creek NORTHUMBERLAND CO Tidal limit to mouth at Coan River

POTMH

VA Overall AU Category: 5A

Use Impairment 0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051

2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basia	Potomac	and Shena	ndoah	River	Rasin
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_PRE01A98 Presley Creek NORTHUMBERLAND CO Described in the condemnation notice 140, 4/27/1989

Sq. mileage adjusted during 2006 cycle, though area did not change

POTMH

VA Overall AU Category: 54

Use Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_ROG01A98 Rogers Creek NORTHUMBERLAND CO Described in the condemnation notice 009-142D, 12/22/2004.

Sq. mileage adjusted in 2006, although area did not change POTMH

VA Overall AU Category: 5A

Use Impairment 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge
Internal Nutrient Recycling
Loss of Riparian Habitat
Municipal Point Source Discharges

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 **2006**

2010

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_SPN01A04 Spring Cove NORTHUMBERLAND CO Tidal limit to mouth at Hull Creek

Portion of VDH-DSS condemnation 009-142C, 12/22/2004

POTMH

VA Overall AU Category: 54

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

2010

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes)

10051 2006

VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycle.

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shonani	doah	River	Rasins
1 ViVIIIuC	$unu \ $	menuni	wun	Mivei	Dusins

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_WRS01A04 Wrights Cove NORTHUMBERLAND CO Described in VDH-DSS Shellfish Condemnation 145B, 11/27/2002

POTMH

2006 cycle.

VA Overall AU Category: 5A

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

Sources: Agriculture

Atmospheric Deposition - Nitrogen Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_XFI01A98 Stevens Point NORTHUMBERLAND CO Described in the condemnation notice 8-214C, 12/29/2003

Sq. mileage adjusted in 2006

POTMH

VA Overall AU Category: 50

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

The mesohaline portion of the Potomac failed the SAV acreage standards during the

2006 cycl

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation Aquatic Plants (Macrophytes) 10051 2006 2010 VA

Sources: Agriculture
Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling

Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basin	otomac o	and Shon	andoah	River R	acinc
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Potomac Mesohaline Embayments TMDL Watershed Name:

TMDL Group ID:

10051

VAP-A34E_XFJ01A98 Coan River, UT NORTHUMBERLAND CO Described in the condemnation notice 008-214D, 12/29/2003.

POTMH

Size increased during 2004 cycle (0.02 to 0.05 sq. mi)

VA Overall AU Category:

Impairment Use

0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life **Aquatic Plants (Macrophytes)** 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation

Aquatic Plants (Macrophytes)

10051

2006

2010

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Potomac Mesohaline Embayments

TMDL Group ID: 10051

VAP-A34E_ZZZ01A00 Unsegmented estuaries in A34 NORTHUMBERLAND CO Unsegmented portion of the watershed.

POTMH

2006 cycle.

VA Overall AU Category: 5A

Use Impairment 2.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Aquatic Life Aquatic Plants (Macrophytes) 10051 2006 2010 VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

Shallow-Water Submerged Aquatic Vegetation **Aquatic Plants (Macrophytes)** 10051 **2006 2010** VAP-A31E-02

The mesohaline portion of the Potomac failed the SAV acreage standards during the

Sources: Agriculture

Atmospheric Deposition - Nitrogen

Clean Sediments

Industrial Point Source Discharge Internal Nutrient Recycling Loss of Riparian Habitat

Municipal Point Source Discharges Sediment Resuspension (Clean Sediment) Sources Outside State Juristiction or Borders

Wet Weather Discharges (Point Source and Combination of Stormwater, SSO or CSO)

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac and Shenandoah River Bas

TMDL Watershed Name: Potomac River, South Branch

TMDL Group ID: 50228

VAV-B02R_SOA01A00 **South Branch Potomac River** HIGHLAND CO South Branch Potomac River from the headwaters downstream to the

VA/WVA state line.

VA Overall AU Category:

Use

Impairment 10.16 MILES

TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Recreation Escherichia coli 50228 2006 2018 Newly listed for bacteria in 2006

WQS for bacteria not supporting at 1ASOA001.00 (3 violations of 9) and

1ASOA003.77 (2 violations of 9)

Sources: Non-Point Source

TMDL Watershed Name: Potomac River, Tidal (Accotink Creek)

TMDL Group ID: 20005

FAIRFAX CO Segment includes tidal waters of Accotink Creek until the confluence with VAN-A15E ACO01A06 **Accotink Bay**

the tidal waters of Pohick Bay/ Gunston Cove.

Portion of CBP segment POTTF.

VA Overall AU Category:

Impairment Use

0.35 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

PCB in Fish Tissue 20005 Fish Consumption 2002 2014 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel. bullhead catfish, channel catfish less than eighteen inches long, largemouth bass. anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and Potomac Creek.

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and	Shenan	doah	River	Rasins
1 viviiiuc	unu	Siiciuii	uuuu	NLVEI	DUNIII

Potomac River, Tidal (Chopawamsic Creek) TMDL Watershed Name:

TMDL Group ID:

20013

VAN-A26E_CHO01A04 **Chopawamsic Creek**

PRINCE WILLIAM CO STAFFORD CO

Segment includes all of the Chopawamsic Creek embayment downstream until the state line at the confluence with the Potomac River.

Portion of CBP seament POTOH.

VA Overall AU Category:

Impairment Use

0.61 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption **PCB** in Fish Tissue 20013 2002 2014 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species of fish samples collected in 2001 at monitoring station 1ACHO000.90 (largemouth bass, yellow perch, channel catfish, and carp).

Sources: Source Unknown

VAN-A26E CHO01B06 **Chopawamsic Creek** PRINCE WILLIAM CO STAFFORD CO

Segment includes all Chopawamsic Creek tidal waters not included in other delineated segments.

Portion of CBP seament POTOH.

VA Overall AU Category: 5A

Use

Impairment

0.38 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Fish Consumption **PCB** in Fish Tissue 20013 2002 2014 Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and Potomac Creek.

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac and Shenandoah River Bas

Potomac River, Tidal (Chopawamsic Creek) TMDL Watershed Name:

TMDL Group ID:

20013

VAN-A26E_CHO02A00 **Chopawamsic Creek**

PRINCE WILLIAM CO STAFFORD CO

Segment extends from approximately 0.5 rivermile upstream, until the end of the tidal waters, until 0.5 rivermile downstream of monitoring station

1ACHO003.65.

Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment 0.12 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

2002 20013

2014

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and Potomac Creek

2014

Sources: Source Unknown

TMDL Watershed Name: Potomac River, Tidal (Doque Creek)

TMDL Group ID:

20003

VAN-A14E_DOU01A00 **Dogue Creek**

FAIRFAX CO Segment includes all tidal waters of Dogue Creek, extending from

approximately rivermile 2.1 until the confluence with the Potomac River.

Portion of CBP seament POTTF.

VA Overall AU Category:

Use

Impairment

0.74 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption **PCB** in Fish Tissue 20003 2002 This segment is nested within the 20.3 square mile area (approximately) covered by a Virginia Department of Health (VDH) fish consumption advisory. The VDH fish

consumption advisory for the Potomac River and VA tidal waters extends from Woodrow Wilson Bridge downstream (~33 miles) to Brent Point at mouth of Aguia Creek. Advise limited consumption of channel catfish due to PCB's. While this segment is not listed on any current fish consumption advisory, the former impairment

remains.

2004 TMDL ID for this segment was VAN-A13E-01.

Sources: Source Unknown

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Potomac River, Tidal (Fourmile Run)

TMDL Group ID: 20000

VAN-A12E_FOU01A00 Fourmile Run ALEXANDRIA CITY Segment includes the tidal waters of Fourmile Run; from rivermile 1.46 downstream until the confluence with the Potomac River, at the state line.

Portion of CBP seament POTTF.

VA Overall AU Category: **5A**

Use Impairment 0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue 20000 2002 2014

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek,

Sources: Source Unknown

TMDL Watershed Name: Potomac River, Tidal (Hooff Run)

TMDL Group ID: 20001

ALEXANDRIA CITY

VAN-A13E_HFF01A06 Hooff Run ALEXANDRIA CITY Segment contains the tidal portion of Hooff Run; begins at the Alexandria

2006

2018

National Cemetery and continues downstream until the confluence with Hunting Creek.

Portion of CBP seament POTTF.

VA Overall AU Category: 5A

Fish Consumption

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

PCB in Fish Tissue

(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

POL

Sources: Source Unknown

20001

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Assessment Unit ID

Waterbody Name

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Potomac River, Tidal (Hunting Creek)

TMDL Group ID:

20002

VAN-A13E_HUT01A02

Hunting Creek/Potomac River/Belle Haven

ALEXANDRIA CITY FAIRFAX CO

City / County*

Segment includes all tidal waters of Hunting Creek; beginning at the Route 241 (Telegraph Road) bridge crossing and continuing downstream until the confluence with the Potomac River, to include the embayment. Portion of CBP segment POTTF.

VA Overall AU Category:

5A Use

Impairment

1.36 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

PCB in Fish Tissue Fish Consumption

2004 20002

2014

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in five species of fish samples collected in 2000 at monitoring station 1AHUT000.01 (channel catfish, white perch, American eel, and carp).

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Potomac River, Tidal (Little Hunting Creek)

TMDL Group ID:

20004

VAN-A14E_LIF01A00

Fish Consumption

Little Hunting Creek

FAIRFAX CO

Segment includes all tidal waters of Little Hunting Creek, extending from approximately rivermile 1.7 downstream until the confluence with the

Potomac River.

Portion of CBP segment POTTF.

VA Overall AU Category:

5A Use

Impairment

0.25 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

PCB in Fish Tissue

2002 20004

2014

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in five species of fish samples collected in 2000 at monitoring station 1ALIF000.19 (largemouth bass, channel catfish, white perch, American eel, and carp).

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and S	Chonan	doah	River	Rasins
		<i>THE HILL</i>		NIVEI	

Potomac River, Tidal (Neabsco Creek) TMDL Watershed Name:

TMDL Group ID: 20007

VAN-A25E_NEA01A00 **Neabsco Bay** PRINCE WILLIAM CO Segment includes the tidal waters of Neabsco Bay downstream until the

> confluence with Occoquan Bay. Portion of CBP segment POTTF.

VA Overall AU Category:

Impairment 0.80 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category Use

Fish Consumption **PCB** in Fish Tissue 20007 2002 2014 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, fish tissue data revealed exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in five species at station 1ANEA000.57 in 2000 (largemouth bass, carp, channel catfish, white catfish, and American eel).

Sources: Source Unknown

20007

VAN-A25E NEA20A02 Neabsco Creek PRINCE WILLIAM CO

PCB in Fish Tissue

Segment begins at the upstream limit of the tidal waters on Neabsco Creek and continues downstream until the start of the open waters of Neabsco Bay, approximately 0.5 rivermile upstream from monitoring station

1ANEA000.57. Portion of CBP segment POTTF.

2014

VA Overall AU Category:

Fish Consumption

Impairment 0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel. bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch. gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoguan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

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2002

Assessment Unit ID

City / County* **Waterbody Name**

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Potomac River, Tidal (Occoquan River)

TMDL Group ID:

20008

VAN-A25E_OCC01A04

Fish Consumption

Occoquan Bay

FAIRFAX CO PRINCE WILLIAM CO Segment extends 0.5 mile around the Coastal 2000 monitoring station 1AOCC000.06. The downstream limit is the state line at the Potomac River. Portion of CBP seament POTTF.

VA Overall AU Category:

Use

Impairment

0.48 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

PCB in Fish Tissue 20008 2002 2014 Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A25E_OCC02A00

Occoquan Bay

FAIRFAX CO PRINCE WILLIAM CO Segment extends 0.5 mile around the around the monitoring station 1AOCC002.47.

Portion of CBP seament POTTF.

VA Overall AU Category:

Use

Impairment

0.59 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Fish Consumption **PCB** in Fish Tissue 20008 2002 2014 Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, fish tissue data revealed exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in five species of fish tissue (striped bass, largemouth bass, carp, white perch, and channel catfish) in 2001 and in four species/five samples of fish tissue (carp, channel catfish, largemouth bass, and white perch) in 2004.

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Potomac River, Tidal (Occoquan River)

TMDL Group ID:

20008

VAN-A25E_OCC03A04

Belmont Bay (Occoquan River)

FAIRFAX CO

Segment extends 0.5 mile around Coastal 2000 monitoring station

1AOCC002.62

Portion of CBP seament POTTF.

VA Overall AU Category:

Use

Impairment

0.39 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

20008

2002 2014 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and

Potomac Creek.

Sources: Source Unknown

VAN-A25E_OCC04A02

Belmont Bay

FAIRFAX CO

Seament extends 0.5 mile around the monitoring station 1AOCC-766-ALL

(coordinates 38.647, -77.195). Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

0.42 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

2014

Impairment Specific Comments and/or Impairment Specific VA Category The fish consumption use is categorized as impaired due to a Virginia Department of

Fish Consumption

PCB in Fish Tissue

20008

2002

Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and

Potomac Creek.

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUUM	ii nivei	I JUNIUN

TMDL Watershed Name: Potomac River, Tidal (Occoquan River)

TMDL Group ID:

20008

PCB in Fish Tissue

VAN-A25E_OCC05A02 Occoquan River **FAIRFAX CO** Segment extends from 0.5 rivermile upstream until 0.5 rivermile PRINCE WILLIAM CO downstream of monitoring station 1AOCC006.71.

2002

Portion of CBP seament POTTF.

Potomac Creek.

VA Overall AU Category:

Fish Consumption

Impairment Use

0.05 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

20008

Impairment Specific Comments and/or Impairment Specific VA Category 2014

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and

Sources: Source Unknown

VAN-A25E_OCC20A02 Occoquan Bay/Belmont Bay

FAIRFAX CO PRINCE WILLIAM CO Segment includes all waters of the Occoquan and Belmont Bays not included in other delineated segments. Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment 5.39 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Fish Consumption **PCB** in Fish Tissue 20008 2002 2014 Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel. bullhead catfish, channel catfish less than eighteen inches long, largemouth bass. anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and Potomac Creek.

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name City / County* **Assessment Unit Description**

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Potomac River, Tidal (Occoquan River)

2014

TMDL Group ID:

20008

VAN-A25E_POT20A02

Fish Consumption

Occoquan Bay/Belmont Bay

PCB in Fish Tissue

FAIRFAX CO PRINCE WILLIAM CO Segment includes all tidal waters in watershed not included in other delineated stream segments.

Portion of CBP seament POTTF.

VA Overall AU Category:

Use

Impairment

0.24 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

20008

2002

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

TMDL Watershed Name:

Potomac River, Tidal (Pohick Creek)

TMDL Group ID:

20006

VAN-A15E POH01A00

Gunston Cove

FAIRFAX CO

Segment extends from rivermile 1.31 in Gunston Cove until the confluence with the Potomac River.

Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

1.51 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

20006 2002 2014

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and S	Shenan	doah	River	Rasins
POIOMAC	ana s	nenan		KIVET	DUNINS

TMDL Watershed Name: Potomac River, Tidal (Pohick Creek)

TMDL Group ID:

20006

VAN-A15E_POH02A00 Pohick Bay FAIRFAX CO Segment includes tidal waters of Pohick Creek, from the boundary of

watershed A15, and extends until rivermile 1.31 in Gunston Cove.

Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use Impairm

Impairment 0.61 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

20006 **2002 2014**

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek,

Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in three species in 2000 (largemouth bass, carp, channel catfish).

Sources: Source Unknown

VAN-A16E POH01A06 Pohick Bay FAIRFAX CO

Segment includes tidal waters of Pohick Creek upstream from the boundary

of watershed A16.

Portion of CBP segment POTTF.

VA Overall AU Category: 5A

Use

Impairment 0.29 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Fish Consumption PCB in Fish Tissue 20006 2002 2014

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek,

Additionally, exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in three species in 2000 (largemouth bass, carp, channel catfish).

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shend	andoah River Basins		
TMDL Watershed Name:		Potomac River, Tida	al (Pohick Creek)
TMDL Group ID.	20006		
VAN-A16R_POH01A00	Pohick Creek	FAIRFAX CO	Segment begins at the confluence with South Run, approximately 0.25 rivermile upstream from I-95, and continues downstream until the end of the free-flowing portion of Pohick Creek.
VA Overall AU Category: 5A Use	Impairment 3.20 MILES	TMDL Group ID First Listed on 303(d) TMD	DL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	PCB in Fish Tissue	20006 2002 20	DEQ fish tissue/sediment station 1APOH004.79 was sampled in 1996. The fish consumption impairment remains, even though the data is from outside the assessment period. The fish consumption impairment is due to exceedances of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue. Exceedance of the TV for PCB's was recorded in two species (bullhead catfish, white perch) in 1996.
	Sources	: Source Unknown	recorded in two species (builded datisti, write percity in 1996.
TMDL Watershed Name:		Potomac	c Run
TMDL Group ID.	60073		
VAN-A29R_POR01A06	Potomac Run	STAFFORD CO	Segment begins at the headwaters of Potomac Run and continues downstream until the confluence with Long Branch.
VA Overall AU Category: 5A Use	Impairment 6.22 MILES	TMDL Group ID First Listed on 303(d) TMD	DL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60073 2006 20	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 8 samples - 100%) were recorded at DEQ's ambient water quality monitoring station (1APOR000.40) at the Route 648 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources	: Source Unknown	
TMDL Watershed Name:		Powells	Creek
TMDL Group ID.	00807		
VAN-A26R_POW01A00	Powells Creek	PRINCE WILLIAM CO	Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream until the end of the free-flowing waters of Powells Creek, at rivermile 2.18.
VA Overall AU Category: 5A Use	Impairment 5.02 MILES	TMDL Group ID First Listed on 303(d) TMD	DL Schedule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Benzo[k]fluoranthene	00807 2002 20	This segment remains on the impaired waters list for the fish consumption use because of the 1996 fish tissue data. Exceedances of the water quality standard criterion based tissue value (TV) of 15 ppb for benzo(k)fluoranthene in fish tissue were recorded during a 1996 sampling event. Exceedances of the TV for benzo(k)fluoranthene were recorded in two species (largemouth bass and sunfish).
	Sources	: Source Unknown	

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description		
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:		Powells Creek			
TMDL Group ID:	00808				
VAN-A26R_POW01A00	Powells Creek		Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream until the end of the free-flowing waters of Powells Creek, at rivermile 2.18.		
VA Overall AU Category: 5A Use	Impairment 5.02 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category		
Recreation	Escherichia coli	00808 2006 2014	Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 7 samples - 28.6%) were recorded at DEQ's ambient water quality monitoring station (1APOW006.11) at Northgate Drive to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.		
	Sources	: Source Unknown			
TMDL Watershed Name:	Presley Creek				
TMDL Group ID:	00941				
VAP-A34E_PRE01A98	Presley Creek	NORTHUMBERLAND CO	Described in the condemnation notice 140, 4/27/1989		
			Sq. mileage adjusted during 2006 cycle, though area did not change		
			РОТМН		
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.30 SQUARE MIL Fecal Coliform	LES TMDL Group ID First Listed on 303(d) TMDL Schedule 00941 1998 2010	Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-09		
			VDH-DSS condemnation 140, 4/13/1989		
	Sources	: Source Unknown			
TMDL Watershed Name:		Pugh's Run			
TMDL Group ID:	01643				
VAV-B50R_PGH01A00	Pugh's Run	SHENANDOAH CO	Pugh's Run from the headwaters downstream to its confluence with the North Fork Shenandoah River.		
VA Overall AU Category: 5A Use	Impairment 5.86 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedule	Impairment Specific Comments and/or Impairment Specific VA Category		
Recreation	Fecal Coliform Sources	01643 2004 2016 : Non-Point Source Wildlife Other than Waterfowl			

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Purcell Branch** TMDL Watershed Name: TMDL Group ID: 60056 VAN-A20R PUR01A06 **Purcell Branch** PRINCE WILLIAM CO Segment begins at the headwaters of Purcell Branch, near Woodbine School, and continues downstream until the confluence with the Occoguan Reservoir, at rivermile 23.23. VA Overall AU Category: **Impairment** 3.16 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Recreation Escherichia coli 60056 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (4 of 7 samples -57.1%) were recorded at DEQ's ambient water quality monitoring station (1APUR001.20) at the Route 643 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown TMDI Watershed Name: **Quail Run** TMDL Group ID: 00107 **ROCKINGHAM CO** Quail Run from the Bloomer Springs Road bridge downstream to its VAV-B35R_QAL01A00 **Quail Run** confluence with Boone Run VA Overall AU Category: **Impairment** 4.18 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Benthic-Macroinvertebrate Bioassessments 00107 1998 2003 Category 4A - Federal TMDL ID # 20863 & 20864 (Streams) Sources: Municipal Point Source Discharges VAV-B35R QAL02A00 **Quail Run ROCKINGHAM CO** Quail Run from the Massanutten STP discharge downstream to the Bloomer Springs Road bridge. VA Overall AU Category: 0.70 MILES Use **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Benthic-Macroinvertebrate Bioassessments 00107 1998 2003 Category 4A - Federal TMDL ID # 20863 & 20864 (Streams) Sources: Municipal Point Source Discharges TMDL Group ID: 00666 VAV-B35R QAL01A00 **Quail Run ROCKINGHAM CO** Quail Run from the Bloomer Springs Road bridge downstream to its confluence with Boone Run. VA Overall AU Category: **Impairment** Use **4.18 MILES** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 00666 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl

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Assessment Unit Description City / County* **Unit ID Waterbody Name** Potomac and Shenandoah River Basins **Quail Run** TMDL Watershed Name: TMDL Group ID: 00666 VAV-B35R_QAL02A00 **Quail Run ROCKINGHAM CO** Quail Run from the Massanutten STP discharge downstream to the Bloomer Springs Road bridge. VA Overall AU Category: **Impairment** 0.70 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 00666 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl TMDL Group ID: 01621 VAV-B35R_QAL03A00 **Quail Run ROCKINGHAM CO** Quail Run from the headwaters downstream to the Massanutten STP discharge. VA Overall AU Category: **Impairment** 1.32 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Benthic-Macroinvertebrate Bioassessments 01621 2002 2014 Aquatic Life The Impairment is due to drought conditions. (Streams) Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed TMDL Watershed Name: **Quantico Creek** TMDL Group ID: 00577 VAN-A26R QUA01A00 **Quantico Creek** PRINCE WILLIAM CO Segment begins at the confluence with South Fork Quantico Creek, approximately 0.75 rivermile upstream from I-95, and continues downstream until the start of the tidal waters of Quantico Bay. VA Overall AU Category: 5A 1.29 MILES **Impairment** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 00577 2014 Fish Consumption **PCB** in Fish Tissue 2002 Sources: Source Unknown TMDL Group ID: 00809 PRINCE WILLIAM CO Segment begins at the confluence with South Fork Quantico Creek, VAN-A26R QUA01A00 Quantico Creek approximately 0.75 rivermile upstream from I-95, and continues downstream until the start of the tidal waters of Quantico Bay. VA Overall AU Category: **Impairment** 1.29 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation Escherichia coli 00809 2006 2016 Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 9 samples -33.3%) were recorded at DEQ's ambient water quality monitoring station (1AQUA004.46) at the Route One Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown

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Unit ID	Waterbody Name		City / Coun	ty*	Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Quan	tico Creek	
TMDL Group ID:	00809				
Recreation	Fecal Coliform	00809 es: Source Unknown	2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 27 samples - 18.5%) were recorded at DEQ's ambient water quality monitoring station (1AQUA004.46) at the Route One Business bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
T1/2/ 2 /2		es. Source Offictions			
TMDL Group ID:	60109				
VAN-A26E_QUA01A04	Quantico Creek		PRINCE WILLIA	M CO	Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.43 SQUARE M	MILES TMDL Group ID	First Listed on 303(d)	TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Estuarine Bioassessments	60109	2006	2018	Based on the Coastal 2000 weight of evidence analysis, utilizing bulk chemical data, toxicity test data, and an evaluation of benthic community conditions. Conclusions noted that organic enrichment, as well as chemical contamination, may be responsible for the impairment. The survey revealed low diversity of benthic faunal taxa.
	Source	es: Source Unknown			,
TMDL Group ID:	60112				
VAN-A26E_QUA01A04	Quantico Creek		PRINCE WILLIA	МСО	Segment extends to a 0.5-mile radius around station 1AQUA001.09. Portion of CBP segment POTTF.
VA Overall AU Category: 5A Use	Impairment 0.43 SQUARE M	MILES TMDL Group ID	First Listed on 303(d)	TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Sedimer	nt Bioassays for Estuarine and Marin Water	e 60112	2006	2018	Based on the Coastal 2000 weight of evidence analysis, utilizing bulk chemical data, toxicity test data, and an evaluation of benthic community conditions. Conclusions noted that organic enrichment, as well as chemical contamination, may be responsible for the impairment. The acute bioassay revealed slight, yet significant, toxicity.
	Source	es: Source Unknown			To the impainted the coate because from any first organical in the coate of the coa
TMDL Watershed Name:			Quantico C	reek, Soutl	ı Fork
TMDL Group ID:	00810				
VAN-A26R_SOQ01B02	South Fork Quantico Creek		PRINCE WILLIA	M CO	Segment begins at the headwaters of the South Fork Quantico Creek and continues downstream until the start of the impounded waters, adjacent to what is labeled as Mawavi Camp No 2 on the Joplin quad.
VA Overall AU Category: 5A Use	Impairment 4.64 MILES	TMDI Group ID	First Listed on 303(d)	TMDI Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00810	2004	2016	Sufficient exceedances of the instantaneous E.coli bacteria criterion (7 of 56 samples - 12.5%) were recorded at USGS station 01658500 to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	es: Source Unknown			assessment.

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Assessment Unit ID	Waterbody Name	City / County		Assessment Unit Description
Potomac and Shend	ındoah River Basins			
TMDL Watershed Name:		Quantico Cre	k, South Fork	
TMDL Group ID:	00810			
TMDL Watershed Name:		Redb	d Run	
TMDL Group ID:	97005			
VAV-B09R_RED01A00	Redbud Run	FREDERICK CO		d Run and tributary from its headwaters downstream to its confluence bequon Creek.
VA Overall AU Category: 5D Use Recreation	Impairment 8.02 MILES Fecal Coliform Sources	TMDL Group ID First Listed on 303(d) 97005 2004 Source Unknown		mpairment Specific Comments and/or Impairment Specific VA Category ry 4A - Federal TMDL ID # 20941
TMDL Group ID:	97006			
VAV-B09R_RED01A00	Redbud Run	FREDERICK CO		d Run and tributary from its headwaters downstream to its confluence bequon Creek.
VA Overall AU Category: 5D Use	Impairment 8.02 MILES	TMDL Group ID First Listed on 303(d)	1DL Schedule I	mpairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthi	c-Macroinvertebrate Bioassessments (Streams)	97006 2004	2016	
	Sources	: Source Unknown		
TMDL Watershed Name:		Roari	g Run	
TMDL Group ID:	40002			
VAV-B37R_RNR01A00	Roaring Run	PAGE CO	Roarin Run.	g Run from the headwaters downstream to its confluence with Cub
VA Overall AU Category: 5A Use	Impairment 2.07 MILES	TMDL Group ID First Listed on 303(d)	1DL Schedule I	mpairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthio	c-Macroinvertebrate Bioassessments (Streams)	40002 2006	2018 Newly li	sted for benthics in 2006.
	Sources	: Source Unknown		

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	andoah River Basins		
TMDL Watershed Name:		Rocky Branch	
TMDL Group ID:	01042		
VAV-B39R_RKB01A00	Rocky Branch	PAGE CO	Rocky Branch from the headwaters downstream to its confluence with Pass Run.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 4.17 MILES pH	TMDL Group ID First Listed on 303(d) TMDL Schedul 01042 2004 2016	le Impairment Specific Comments and/or Impairment Specific VA Category
	Sources:	Atmospheric Deposition - Acidity	
TMDL Watershed Name:		Rocky Run	
TMDL Group ID:	50055		
VAV-B18R_ROB01A02	Rocky Run	ROCKINGHAM CO	Rocky Run from the headwaters downstream to its confluence with Briery Branch.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 1.92 MILES pH Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 50055 2006 2018 Atmospheric Deposition - Acidity	le Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for pH in 2006.
TMDL Watershed Name:		Rogers Creek	
TMDL Group ID:	00942		
VAP-A34E_ROG01A98	Rogers Creek	NORTHUMBERLAND CO	Described in the condemnation notice 009-142D, 12/22/2004.
VA Consult Att Coherence - FA			Sq. mileage adjusted in 2006, although area did not change POTMH
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.03 SQUARE MIL Fecal Coliform	ES TMDL Group ID First Listed on 303(d) TMDL Schedul 00942 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-13
	Sources:	Source Unknown	VDH-DSS condemnation 009-142D, 12/22/2004

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Rosier Creek** TMDL Watershed Name: TMDL Group ID: 00906 VAP-A31E_ROS01A98 **Rosier Creek WESTMORELAND CO** Described in VDH condemnation notice 088A, 9/22/2004. Segment expanded in 2006 **POTMH** VA Overall AU Category: Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 00906 1998 2010 VAP-A31E-01 VDH Shellfish Condemnation 001-008A, 9/22/2004 Sources: Source Unknown TMDL Watershed Name: **Shannon Branch** TMDL Group ID: 10055 VAP-A33E SHA01A98 **Shannon Branch** WESTMORELAND CO Described in the condemnation notice 007-028A, 07/21/2004. **POTMH** VA Overall AU Category: **Impairment** 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 10055 2018 2006 VAP-A33E-12 VDH-DSS Condemnation 007-028A, 07/21/2004 Sources: Source Unknown Shenandoah River PCB TMDL Watershed Name: TMDL Group ID: 00104 South Fork Shenandoah River from its confluence with Cabin Run VAV-B41R_SSF01A00 South Fork Shenandoah River WARREN CO downstream to its confluence with the North Fork Shenandoah River. VA Overall AU Category: 5D **Impairment** 1.74 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 00104 Fish Consumption **PCB** in Fish Tissue 1998 2002 Category 4A - Federal TMDL ID # 7715

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Sources: Contaminated Sediments

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Unit ID	Waterbody Name City / County*		Assessment Unit Description	
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Shenandoah River F	CB	
TMDL Group ID:	00104			
VAV-B41R_SSF02A00	South Fork Shenandoah River	WARREN CO	South Fork Shenandoah River from the Rivermont Drive Bridge downstream to its confluence with Cabin Run.	
VA Overall AU Category: 5D Use Fish Consumption	Impairment 0.61 MILES PCB in Fish Tissue	TMDL Group ID First Listed on 303(d) TMDL Schedul 00104 1998 2002	e Impairment Specific Comments and/or Impairment Specific VA Category Category 4A - Federal TMDL ID # 7715	
r isir Consumption		Contaminated Sediments	Category #A - 1 ederal HWDL ID # 11 15	
VAV-B51R_NFS01A00	North Fork Shenandoah River	WARREN CO	North Fork Shenandoah River from the dam at the boat ramp downstream to its confluence with the South Fork Shenandoah River.	
VA Overall AU Category: 5D Use Fish Consumption	Impairment 0.67 MILES PCB in Fish Tissue Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00104 1998 2002 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category Category 4A - Federal TMDL ID # 7715	
TMDL Group ID:	00191			
VAV-B55R_SHN02A00	Shenandoah River	WARREN CO	Shenandoah River from the confluence of the North and South Fork's downstream to the power plant dam near Front Royal.	
VA Overall AU Category: 5D Use Fish Consumption	Impairment 3.54 MILES PCB in Fish Tissue Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00191 1998 2002 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category Category 4A - Federal TMDL ID # 7715	
TMDL Watershed Name:		Shenandoah River, Nor	th Fork	
TMDL Group ID:	00240			
VAV-B45R_NFS01A00	North Fork Shenandoah River	SHENANDOAH CO	North Fork Shenandoah River from its confluence with Holmans Creek downstream to its confluence with Smith Creek.	
VA Overall AU Category: 5A Use Recreation	Impairment 3.53 MILES Fecal Coliform Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00240 2004 2016 Non-Point Source Wildlife Other than Waterfowl	e Impairment Specific Comments and/or Impairment Specific VA Category	

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Assessment Unit ID	Waterbody Name		City / County	k	Assessment Unit Description
Potomac and Shend	andoah River Basins				
TMDL Watershed Name:			Shenandoah R	iver, Nor	th Fork
TMDL Group ID:	00240				
VAV-B45R_NFS02A00	North Fork Shenandoah River		ROCKINGHAM C SHENANDOAH C		North Fork Shenandoah River from its confluence with Linville Creek downstream to its confluence with Holmans Creek.
VA Overall AU Category: 5A Use Recreation	Impairment 13.59 MILES Fecal Coliform Sources:	TMDL Group ID 00240 Non-Point Source Wildlife Other than	First Listed on 303(d) T 1996 Waterfowl	MDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B45R_NFS03A00	North Fork Shenandoah River		ROCKINGHAM C	0	North Fork Shenandoah River from its confluence with Turley Creek downstream to its confluence with Linville Creek.
VA Overall AU Category: 5A Use Recreation	Impairment 2.89 MILES Fecal Coliform Sources:	TMDL Group ID 00240 Non-Point Source Wildlife Other than	First Listed on 303(d) T 2004 Waterfowl	MDL Schedule 2010	e Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B48R_NFS01A00	North Fork Shenandoah River		SHENANDOAH C	О	North Fork Shenandoah River from its confluence with Smith Creek downstream to its confluence with Stony Creek.
VA Overall AU Category: 5A Use Recreation	Impairment 11.84 MILES Fecal Coliform Sources:	TMDL Group ID 00240 Non-Point Source Wildlife Other than	First Listed on 303(d) 1 2004 Waterfowl	MDL Schedule 2016	e Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:			Shenandoah R	iver, Sou	th Fork
TMDL Group ID:	00402				
VAV-B33R_SSF01A00	South Fork Shenandoah River		ROCKINGHAM C	0	South Fork Shenandoah River from its confluence with the North & South Rivers downstream to its confluence with Big Run.
VA Overall AU Category: 5A Use Aquatic Life Benthic	Impairment 9.45 MILES c-Macroinvertebrate Bioassessments (Streams)	00402	First Listed on 303(d) 7 1998	MDL Schedule 2010	e Impairment Specific Comments and/or Impairment Specific VA Category
	Sources:	Source Unknown			

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins Shenandoah River, South Fork TMDL Watershed Name: TMDL Group ID: 00402 VAV-B35R_SSF01A00 South Fork Shenandoah River **ROCKINGHAM CO** South Fork Shenandoah River from its confluence with Big Run downstream to its confluence with Naked Creek. VA Overall AU Category: **Impairment** 15.17 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Benthic-Macroinvertebrate Bioassessments 00402 1998 2010 (Streams) Sources: Source Unknown VAV-B37R SSF01A00 S.F. Shenandoah River PAGE CO South Fork Shenandoah River from its confluence with Naked Creek **ROCKINGHAM CO** downstream to its confluence with Stoney Run just above the Route 340 bridge at Alma. VA Overall AU Category: 18.28 MILES **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Aquatic Life **Benthic-Macroinvertebrate Bioassessments** 00402 1998 2010 (Streams) Sources: Source Unknown VAV-B38R_SSF01A00 South Fork Shenandoah River **PAGE CO** South Fork Shenandoah River from its confluence with Stoney Run just above the Route 340 bridge at Alma downstream to its confluence with Hawksbill Creek. VA Overall AU Category: 5A **Impairment** 16.09 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Aquatic Life Benthic-Macroinvertebrate Bioassessments 00402 2010 1998 (Streams) Sources: Source Unknown TMDL Group ID: 00403 VAV-B33R SSF01A00 South Fork Shenandoah River **ROCKINGHAM CO** South Fork Shenandoah River from its confluence with the North & South Rivers downstream to its confluence with Big Run. VA Overall AU Category: 5A **Impairment** 9.45 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 00403 2002 2010 Sources: Non-Point Source Wildlife Other than Waterfowl

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Unit ID		Waterbody Name City / County*		Assessment Unit Description			
Potomac and S.	hena	ndoah River	Basins				
TMDL Watershed Name	e:				Shenandoah	River, Sou	ıth Fork
TMDL Gr	oup ID:	00403	3				
VAV-B35R_SSF01A00		South Fork Shenan	doah River		ROCKINGHAM	CO	South Fork Shenandoah River from its confluence with Big Run downstream to its confluence with Naked Creek.
VA Overall AU Category: Use Recreation	5A	Impairment Fecal Colifor		TMDL Group ID 00403 Source Unknown	First Listed on 303(d) 2002	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B37R_SSF01A00		S.F. Shenandoah R	liver		PAGE CO ROCKINGHAM	СО	South Fork Shenandoah River from its confluence with Naked Creek downstream to its confluence with Stoney Run just above the Route 340 bridge at Alma.
VA Overall AU Category: Use Recreation	5A	Impairment Fecal Colifor		TMDL Group ID 00403 Source Unknown	First Listed on 303(d) 2002	TMDL Schedul 2010	le Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B38R_SSF01A00		South Fork Shenan	doah River		PAGE CO		South Fork Shenandoah River from its confluence with Stoney Run just above the Route 340 bridge at Alma downstream to its confluence with Hawksbill Creek.
VA Overall AU Category: Use Recreation	5A	Impairment Fecal Colifor		TMDL Group ID 00403 Source Unknown Wildlife Other than	First Listed on 303(d) 2002 Waterfowl	TMDL Schedul 2010	le Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name	e:				Skidr	nore Fork	
TMDL Gr	oup ID:	4000	1				
VAV-B20R_SKD03A00		Skidmore Fork			ROCKINGHAM	СО	Skidmore Fork from the headwaters downstream to the upper end of Switzer Lake.
VA Overall AU Category: Use	5A	Impairment	5.41 MILES	TMDL Group ID	First Listed on 303(d)	TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life I	Benthic	-Macroinvertebrate (Streams)	Bioassessments	40001	2006	2018	Newly listed for benthics in 2006.
			Sources:	Atmospheric Depo Wildlife Other than	•		

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: Snakeden Branch TMDL Group ID: 60019 VAN-A11R_SNA01A02 Snakeden Branch **FAIRFAX CO** Segment begins at the confluence with an unnamed tributary to Snakeden Branch, approximately 0.4 rivermile downstream from the Twin Branches Road bridge, and continues downstream until the confluence with Difficult Run. VA Overall AU Category: 5A 0.79 MILES Use **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 60019 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (2 of 8 samples -Escherichia coli Recreation 25.0%) were recorded at DEQ's ambient water quality monitoring station (1ASNA000.21) at the Route 677 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown TMDL Watershed Name: South River TMDL Group ID: 00400 **AUGUSTA CO** South River from the INVISTA discharge downstream to its confluence with VAV-B32R STH03A04 South River WAYNESBORO CITY Sawmill Run. VA Overall AU Category: **Impairment 5.44 MILES** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life **Benthic-Macroinvertebrate Bioassessments** 00400 1996 2010 (Streams) Sources: Municipal (Urbanized High Density Area) TMDL Watershed Name: South River, Lower TMDL Group ID: 01617 VAV-B32R STH01A04 South River **AUGUSTA CO** South River from its confluence with Stull Run downstream to its confluence **ROCKINGHAM CO** with North River. VA Overall AU Category: **Impairment** 5.32 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation 01617 **Fecal Coliform** 2002 2014 Sources: Non-Point Source

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Wildlife Other than Waterfowl

Assessment

Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins South River, Lower TMDL Watershed Name: TMDL Group ID: 01617 VAV-B32R_STH02A04 South River **AUGUSTA CO** South River from its confluence with Sawmill Run downstream to ifs confluence with Stull Run. VA Overall AU Category: **Impairment** 13.95 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation Escherichia coli 01617 2006 2014 Newly listed for e-coli in 2006. Already impaired based on fecal coliform. Sources: Non-Point Source Wildlife Other than Waterfowl **Fecal Coliform** 01617 2014 Recreation 2002 Sources: Non-Point Source Wildlife Other than Waterfowl VAV-B32R STH03A04 South River **AUGUSTA CO** South River from the INVISTA discharge downstream to its confluence with WAYNESBORO CITY Sawmill Run. VA Overall AU Category: Use **Impairment 5.44 MILES** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2014 Recreation **Fecal Coliform** 01617 2002 Sources: Non-Point Source Wildlife Other than Waterfowl **WAYNESBORO CITY** South River from its confluence with Coiner Spring intermittant run VAV-B32R STH04A04 South River downstream to the INVISTA discharge. VA Overall AU Category: 5A **Impairment** 2.01 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Recreation Escherichia coli 01617 2006 2014 Newly listed for bacteria in 2006. Sources: Non-Point Source South River from its confluence with Back Creek downstream to its VAV-B32R_STH05A04 South River **AUGUSTA CO** WAYNESBORO CITY confluence with Coiner Spring intermittant run. VA Overall AU Category: Impairment 2.95 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 01617 Recreation Escherichia coli 2006 2014 Newly listed for bacteria in 2006. Sources: Non-Point Source

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Sher	andoah River Basins		
TMDL Watershed Name:		South River/South Fork Shena	ndoah River Hg
TMDL Group	00541		
VAV-B32R_STH01A04	South River	AUGUSTA CO ROCKINGHAM CO	South River from its confluence with Stull Run downstream to its confluence with North River.
VA Overall AU Category: 54 Use	Impairment 5.32 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Mercury in Fish Tissue Sources:	00541 1998 2010 Contaminated Sediments	
VAV-B32R_STH02A04	South River	AUGUSTA CO	South River from its confluence with Sawmill Run downstream to ifs confluence with Stull Run.
VA Overall AU Category: 54 Use	Impairment 13.95 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Mercury in Fish Tissue Sources:	00541 1998 2010 Contaminated Sediments	
VAV-B32R_STH03A04	South River	AUGUSTA CO WAYNESBORO CITY	South River from the INVISTA discharge downstream to its confluence with Sawmill Run.
VA Overall AU Category: 54 Use	Impairment 5.44 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Mercury in Fish Tissue Sources:	00541 1998 2010 Contaminated Sediments	
VAV-B33R_SSF01A00	South Fork Shenandoah River	ROCKINGHAM CO	South Fork Shenandoah River from its confluence with the North & South Rivers downstream to its confluence with Big Run.
VA Overall AU Category: 54 Use	Impairment 9.45 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Mercury in Fish Tissue Sources:	00541 1998 2010 Contaminated Sediments	
VAV-B35R_SSF01A00	South Fork Shenandoah River	ROCKINGHAM CO	South Fork Shenandoah River from its confluence with Big Run downstream to its confluence with Naked Creek.
VA Overall AU Category: 54 Use Fish Consumption	Impairment 15.17 MILES Mercury in Fish Tissue	TMDL Group ID First Listed on 303(d) TMDL Schedul 00541 1998 2010	le Impairment Specific Comments and/or Impairment Specific VA Category

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Sources: Contaminated Sediments

Mercury in Fish Tissue

Fish Consumption

Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		South River/South Fork She	nandoah River Hg
TMDL Group ID:	00541		
VAV-B37R_SSF01A00	S.F. Shenandoah River	PAGE CO ROCKINGHAM CO	South Fork Shenandoah River from its confluence with Naked Creek downstream to its confluence with Stoney Run just above the Route 340 bridge at Alma.
VA Overall AU Category: 5A Use	Impairment 18.28 MILES	TMDL Group ID First Listed on 303(d) TMDL Sch	edule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Mercury in Fish Tissue Sources	00541 1998 2010 : Contaminated Sediments	
VAV-B38R_SSF01A00	South Fork Shenandoah River	PAGE CO	South Fork Shenandoah River from its confluence with Stoney Run just above the Route 340 bridge at Alma downstream to its confluence with Hawksbill Creek.
VA Overall AU Category: 5A Use	Impairment 16.09 MILES	TMDL Group ID First Listed on 303(d) TMDL Sch	edule Impairment Specific Comments and/or Impairment Specific VA Category
Fish Consumption	Mercury in Fish Tissue Sources	00541 1998 2010 : Contaminated Sediments	
VAV-B40R_SSF01A00	South Fork Shenandoah River	WARREN CO	South Fork Shenandoah River from its confluence with Overall Run downstream to its confluence with Gooney Run.
VA Overall AU Category: 5A Use Fish Consumption	Impairment 14.31 MILES Mercury in Fish Tissue Sources	TMDL Group ID First Listed on 303(d) TMDL Sch 00541 1998 2010 Contaminated Sediments	edule Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B40R_SSF02A00	South Fork Shenandoah River	PAGE CO	South Fork Shenandoah River from its confluence with Hawksbill Creek downstream to its confluence with Overall Run.
VA Overall AU Category: 5A Use Fish Consumption	Impairment 17.59 MILES Mercury in Fish Tissue Sources	TMDL Group ID First Listed on 303(d) TMDL Sch 00541 1998 2010 Contaminated Sediments	edule Impairment Specific Comments and/or Impairment Specific VA Category
VAV-B41R_SSF01A00	South Fork Shenandoah River	WARREN CO	South Fork Shenandoah River from its confluence with Cabin Run downstream to its confluence with the North Fork Shenandoah River.
VA Overall AU Category: 5D Use	Impairment 1.74 MILES	TMDL Group ID First Listed on 303(d) TMDL Sch	edule Impairment Specific Comments and/or Impairment Specific VA Category

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2002

2010

00541

Sources: Contaminated Sediments

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:	South River/South Fork Shenandoah River Hg			
TMDL Group ID:	00541			
VAV-B41R_SSF02A00	South Fork Shenandoah River	WARREN CO	South Fork Shenandoah River from the Rivermont Drive Bridge downstream to its confluence with Cabin Run.	
VA Overall AU Category: 5D Use Fish Consumption	Impairment 0.61 MILES Mercury in Fish Tissue Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00541 2002 2010 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B41R_SSF03A00	South Fork Shenandoah River	WARREN CO	South Fork Shenandoah River from the 5 mile upper limit of the PWS designation for the Front Royal Public Water Intake downstream to the Rivermont Drive Bridge.	
VA Overall AU Category: 5A Use Fish Consumption	Impairment 4.36 MILES Mercury in Fish Tissue Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00541 1998 2010 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B41R_SSF04A00	South Fork Shenandoah River	WARREN CO	South Fork Shenandoah River from its confluence with Gooney Creek downstream to the 5 mile upper limit of the PWS designation for the Front Royal Public Water Intake.	
VA Overall AU Category: 5A Use Fish Consumption	Impairment 1.46 MILES Mercury in Fish Tissue Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00541 1998 2010 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B51R_NFS01A00	North Fork Shenandoah River	WARREN CO	North Fork Shenandoah River from the dam at the boat ramp downstream to its confluence with the South Fork Shenandoah River.	
VA Overall AU Category: 5D Use Fish Consumption	Impairment 0.67 MILES Mercury in Fish Tissue Sources:	TMDL Group ID First Listed on 303(d) TMDL Schedul 00541 2002 2010 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category	
VAV-B55R_SHN02A00	Shenandoah River	WARREN CO	Shenandoah River from the confluence of the North and South Fork's downstream to the power plant dam near Front Royal.	
VA Overall AU Category: 5D Use Fish Consumption	Impairment 3.54 MILES Mercury in Fish Tissue	TMDL Group ID First Listed on 303(d) TMDL Schedul 00541 1998 2010 Contaminated Sediments	e Impairment Specific Comments and/or Impairment Specific VA Category	

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Assessment Unit ID	Waterbody Name		City / County	*	Assessment Unit Description
Potomac and Shena	ndoah River Basins				
TMDL Watershed Name:			Sout	h Run	
TMDL Group ID:	00228				
VAN-A19R_SOT01A00	South Run		FAUQUIER CO PRINCE WILLIAM		Segment begins downstream of Lake Brittle on South Run and continues downstream until the confluence with Lake Manassas (Broad Run).
VA Overall AU Category: 5A Use	Impairment 2.34 MILES	TMDL Group ID Fi	irst Listed on 303(d)	FMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	00228	2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (2 of 9 samples - 22.2%) were recorded at DEQ's ambient water quality monitoring station (1ASOT001.44) at the Route 215 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown			
TMDL Group ID:	00229				
VAN-A19R_SOT01A00	South Run		FAUQUIER CO PRINCE WILLIAM		Segment begins downstream of Lake Brittle on South Run and continues downstream until the confluence with Lake Manassas (Broad Run).
VA Overall AU Category: 5A Use	Impairment 2.34 MILES	TMDL Group ID Fi	irst Listed on 303(d)	FMDL Schedule	e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	c-Macroinvertebrate Bioassessments (Streams)	00229	1998	2010	This segment was included in Part I of the 1998 303(d) report as partially supporting the aquatic life use due to a moderate benthic impairment noted at the DEQ biological monitoring station 1aSOT001.44 at Route 215. Based on biological survey results from the 2002 and 2004 305(b) assessment periods, this stream segment was determined to be slightly impaired. While the benthic community integrity showed an improvement from the 1998 303(d) list, this was not sufficient to warrant removing this segment from the impaired waters list. Therefore, the stream segment remains impaired for the benthic macroinvertebrate community.
	Sources:	Source Unknown			
TMDL Watershed Name:			Spor	ıt Run	
TMDL Group ID:	00411				
VAV-B57R_SPR01A00	Spout Run		CLARKE CO		Spout Run from its confluence with Page Brook Run downstream to its confluence with the Shenandoah River.
VA Overall AU Category: 5A Use	Impairment 3.70 MILES	·	rst Listed on 303(d)		e Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthic	c-Macroinvertebrate Bioassessments (Streams)	00411	1998	2010	
	Sources:	Source Unknown			

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name: Spout Run

TMDL Group ID: 00412

VAV-B57R_SPR01A00 Spout Run CLARKE CO Spout Run from its confluence with Page Brook Run downstream to its

confluence with the Shenandoah River.

VA Overall AU Category: **5A**

Use Impairment 3.70 MILES

Impairment 3.70 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation Fecal Coliform 00412 1998 2010

Sources: Non-Point Source

Wildlife Other than Waterfowl

TMDL Watershed Name: Spring Cove

TMDL Group ID: 00943

VAP-A34E_SPN01A04 Spring Cove NORTHUMBERLAND CO Tidal limit to mouth at Hull Creek

Portion of VDH-DSS condemnation 009-142C, 12/22/2004

POTMH

VA Overall AU Category: 5A

Use Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Recreation Fecal Coliform 00943 2004 2016 VAP-A34E-24

Spring Cove was assessed as not supporting the Recreation use during the 2004 cycle due to a fecal coliform violation rate of 4/20 at 1ASPN000.08. During the 2006 cycle, the enterococci violation rate was acceptable (0/9), however there was no additional fecal coliform monitoring since 2001 and the violation rate is 1/8. As the fecal coliform standard is still in effect, the segment will remain impaired this cycle, although further monitoring is recommended to confirm the impairment.

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	ndoah River Basins		
TMDL Watershed Name:		Spring Cove and Hull	l Creek
TMDL Group ID:	00939		
VAP-A34E_HUL01A02	Hull Creek	NORTHUMBERLAND CO	Hull Creek, excluding Spring Cove, as described in condemnation notice 009-142 12/22/2004.
			Size expanded in 2006
			РОТМН
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.35 SQUARE MILES TMDL Grou	up ID First Listed on 303(d) TMDL Schedo	ule Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-12
			VDH-DSS condemnation 009-142B, 12/22/2004
			Segment expanded in 2006.
	Sources: Source Unkn	own	
VAP-A34E_SPN01A04	Spring Cove	NORTHUMBERLAND CO	Tidal limit to mouth at Hull Creek
			Portion of VDH-DSS condemnation 009-142C, 12/22/2004
			POTMH
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.01 SQUARE MILES TMDL Grou Fecal Coliform 0093	up ID First Listed on 303(d) TMDL Schedo 9 2004 2010	ule Impairment Specific Comments and/or Impairment Specific VA Category VAP-A34E-12
			VDH-DSS Shellfish Condemnation 009-142C, 12/22/2004
			Size expanded in 2006 cycle and now includes Spring Cove.
	Sources: Source Unkn		
TMDL Watershed Name:	<u></u>	Staunton Dam La	ike
TMDL Group ID:	50007		
VAV-B16L_01	Staunton Dam Lake	AUGUSTA CO	Staunton Dam Lake
VA Overall AU Category: 5A Use	Impairment 23.21 ACRES TMDL Grou	up ID First Listed on 303(d) TMDL Schedo	ule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life	Oxygen, Dissolved 5000	7 2006	Dissolved oxygen impairment in the Hypolimnion during the summer months due to natural conditions. (4C)
	Sources: Natural Cond	itions - Water Quality Standards Use Attain	nability Analyses Needed

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: **Staunton Dam Lake** TMDL Group ID: 50053 VAV-B16L_01 **Staunton Dam Lake AUGUSTA CO** Staunton Dam Lake VA Overall AU Category: **Impairment** 23.21 ACRES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life pН 50053 2018 Newly listed for pH in 2006. Sources: Atmospheric Deposition - Acidity Natural Conditions - Water Quality Standards Use Attainability Analyses Needed TMDL Watershed Name: **Stephens Run** TMDL Group ID: 01627 VAV-B56R_STV01A00 Stephens Run FREDERICK CO Stephens Run from the headwaters downstream to its confluence with Crooked Run. VA Overall AU Category: 5A 9.99 MILES **Impairment** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 01627 2004 2016 Sources: Non-Point Source Wildlife Other than Waterfowl **Stevens Point** TMDL Watershed Name: TMDL Group ID: 00174 VAP-A34E XFI01A98 **Stevens Point** NORTHUMBERLAND CO Described in the condemnation notice 8-214C, 12/29/2003 Sq. mileage adjusted in 2006 **POTMH** VA Overall AU Category: **Impairment** Use 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Fecal Coliform** 1998 Shellfishing 00174 2004 Category 4A VAP-A34E-03 VDH-DSS condemnation 8-214C, 12/29/2003 The shellfish condemnation for this segment was included in "Coan River Watershed Total Maximum Daily Load (TMDL) Report for Six Shellfish Areas,." which was approved by EPA on 12/02/2004. The segment should be classified as Category 4A for shellfish consumption. Sources: Non-Point Source

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Stony Creek** TMDL Watershed Name: TMDL Group ID: 00252 VAV-B49R_STY01A00 **Stony Creek** SHENANDOAH CO Stony Creek from its confluence with an annamed tributary just downstream of the Wakemans Grove Road bridge crossing downstream to its confluence with the North Fork Shenandoah River. VA Overall AU Category: 5A **Impairment 4.21 MILES** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Recreation **Fecal Coliform** 00252 2002 2010 Sources: Non-Point Source Wildlife Other than Waterfowl SHENANDOAH CO Stony Creek from the Georges Chicken discharge downstream to its VAV-B49R STY02A00 **Stony Creek** confluence with an unnamed tributary just downstream of the Wakemans Grove Road bridge crossing. VA Overall AU Category: 5A **Impairment** Use 1.55 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Fecal Coliform** 00252 Recreation 1998 2010 Sources: Wildlife Other than Waterfowl **Stony Creek** SHENANDOAH CO Stony Creek from its confluence with Little Stony Creek downstream to the VAV-B49R_STY03A00 Georges Chicken discharge. VA Overall AU Category: 5A **Impairment** 4.33 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 00252 2006 2018 Newly listed for bacteria in 2006. Sources: Non-Point Source Wildlife Other than Waterfowl VAV-B49R STY04A04 Stony Creek SHENANDOAH CO Stony Creek from its confluence with Foltz Creek downstream to its confluence with Little Stony Run. VA Overall AU Category: **Impairment 6.94 MILES** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation 00252 **Fecal Coliform** 2004 2016 Sources: Agriculture Non-Point Source Wildlife Other than Waterfowl

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description
Potomac and Shena	andoah River Basins		
TMDL Watershed Name:		Stony Creek	
TMDL Group ID:	50040		
VAV-B49R_STY05A04	Stony Creek	SHENANDOAH CO	Stony Creek from the headwaters downstream to its confluence with Foltz Creek.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 9.46 MILES Temperature, water Sources:	TMDL Group ID First Listed on 303(d) TMDL Sched 50040 2006 2018 Source Unknown	ule Impairment Specific Comments and/or Impairment Specific VA Category Newly listed for temperature in 2006.
TMDL Watershed Name:		Straight Fork	
TMDL Group ID:	04505	Straight Fork	
VAV-B01R_STT01A00	01585 Straight Fork	HIGHLAND CO	Straight Fork from the headwaters downstream to the VA/WVA state line.
VA Overall AU Category: 5A Use Aquatic Life	Impairment 7.04 MILES pH Sources:	TMDL Group ID First Listed on 303(d) TMDL Sched 01585 2004 2016 Atmospheric Deposition - Acidity	ule Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:		Strait Creek	
TMDL Group ID:	01588		
VAV-B02R_STC01A00	Strait Creek	HIGHLAND CO	Strait Creek from its confluence with West Strait Creek downstream to the confluence with the South Branch Potomac River.
VA Overall AU Category: 5A Use	Impairment 3.24 MILES	TMDL Group ID First Listed on 303(d) TMDL Sched	ule Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthi	c-Macroinvertebrate Bioassessments (Streams)	01588 2002 2014	
	Sources:	Channelization	
TMDL Group ID:	50229		
VAV-B02R_STC01A00	Strait Creek	HIGHLAND CO	Strait Creek from its confluence with West Strait Creek downstream to the confluence with the South Branch Potomac River.
VA Overall AU Category: 5A Use	Impairment 3.24 MILES	TMDL Group ID First Listed on 303(d) TMDL Sched	
Recreation	Escherichia coli	50229 2006 2018	Newly listed for bacteria in 2006
	Sources:	Non-Point Source	WQS for bacteria not supporting at 1ASTC000.02 (2 violations of 9).

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Assessment Unit ID	Waterbody Name	City / Coun	y*	Assessment Unit Description
Potomac and Shend	andoah River Basins			
TMDL Watershed Name:		Stra	it Creek	
TMDL Group ID	50229			
VAV-B02R_STC02A00	Strait Creek	HIGHLAND C	0	Strait Creek from the headwaters downstream to its confluence with West Strait Creek.
VA Overall AU Category: 5A Use	Impairment 2.77 MILES	TMDL Group ID First Listed on 303(d)		
Recreation	Escherichia coli	50229 2006	2018	Newly listed for bacteria in 2006
	Sources:	Non-Point Source		WQS for bacteria not supporting at 1AST004.27 (4 violations of 9).
TMDL Watershed Name:	Sugarland Run			
TMDL Group ID	00792			
·	00102	EMPENY O		
VAN-A10R_SUG01A00	Sugarland Run	FAIRFAX CO LOUDOUN C		Segment begins at the boundary of the PWS designation area, at rivermile 4.82, and continues downstream until the confluence with the Potomac River.
VA Overall AU Category: 5A Use	Impairment 4.82 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00792 2006	2014	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality monitoring station (1ASUG004.42) at the Route 7 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
	Sources:	Source Unknown		
VAN-A10R_SUG01B06	Sugarland Run	FAIRFAX CO LOUDOUN C		Segment begins at the confluence with Folly Lick Branch, at approximately rivermile 5.75, and continues downstream until the boundary of the PWS designation area, at rivermile 4.82.
VA Overall AU Category: 5A Use	Impairment 0.93 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	lle Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	00792 2006	2014	Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 13 samples - 23.1%) were recorded at DEQ's ambient water quality monitoring station (1ASUG004.42) at the Route 7 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. The segment was previously listed for a fecal coliform bacteria impairment, beginning in 2002.
	Sources:	Source Unknown		

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Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Switzer Lake** TMDL Watershed Name: TMDL Group ID: 50037 VAV-B20L_01 **Switzer Lake ROCKINGHAM CO** Switzer Lake VA Overall AU Category: Impairment 96.51 ACRES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life Temperature, water 50037 2006 2018 Newly listed for temperature and pH in 2006 Sources: Source Unknown TMDL Group ID: 50069 VAV-B20L_01 Switzer Lake **ROCKINGHAM CO** Switzer Lake

TMDL Group ID: 90002

Impairment

pН

VAV-B20L_01 Switzer Lake ROCKINGHAM CO Switzer Lake

96.51 ACRES

VA Overall AU Category: 5A

VA Overall AU Category:

Use

Aquatic Life

Assessment

Use Impairment 96.51 ACRES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

TMDL Group ID First Listed on 303(d) TMDL Schedule

2018

2006

50069

Sources: Atmospheric Deposition - Acidity

Impairment Specific Comments and/or Impairment Specific VA Category

Newly listed for temperature and pH in 2006

Aquatic Life Oxygen, Dissolved 90002 2006 The lake has a dissolved oxygen impairement in the Hypolimnion during the summer months due to natural conditions (4C).

Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: The Glebe

TMDL Group ID: 00937

VAP-A34E_GLB01A98 The Glebe NORTHUMBERLAND CO Described in the condemnation notice 145D, 2/25/1997.

POTMH

VA Overall AU Category: 5D

Use Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing Fecal Coliform 00937 1998 2004 Category 4A

VAP-A34E-01

A portion of Glebe Creek was initially assessed as impaired of the Shellfish Use due to VDH-DSS Condemnation Notice 145D, 2/25/1997. In the 2004 cycle, the segment was extended to match condemnation 145C, 11/27/2002. However, the 12/02/2004 TMDL was only performed on the 1998 portion. The AU has been shortened to match the original impairment, which will be classified as Cat. 4A, TMDL completed. The portion of Glebe Creek that was impaired in 2004 will have a due date of 2016. In addition, the segment was further extended in 2006; the TMDL for the expanded area will be due in 2018.

Sources: Non-Point Source

TMDL Group ID: 00938

VAP-A34E_GLB04A04 The Glebe NORTHUMBERLAND CO Described in the VDH-DSS Shellfish Condemnation 145A, 11/27/2002

POTMH

VA Overall AU Category: 54

Use Impairment 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing Fecal Coliform 00938 2004 2016 VAP-A34E-23

The segment was considered impaired in 2004 because of VDH-DSS Shellfish Condemnation 145A, 11/27/2002. During the 2006 cycle, the Glebe Creek impairment was expanded and the segment is now included as a portion of condemnation 008-213B. 12/29/2003

213B, 12/29/2003

Sources: Source Unknown

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: The Glebe

TMDL Group ID: 10060

VAP-A34E_GLB02A00 The Glebe NORTHUMBERLAND CO VDH-DSS condemnation 008-213B, 12/29/2003 not otherwise segmented

Size extended in 2006

POTMH

VA Overall AU Category: **5A**

Use Impairment 0.26 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Shellfishing **Fecal Coliform** 10060 **2006 2018** VAP-A34E-26

VDH-DSS condemnation 8-213B, 12/29/2003 expanded in 2006, and now includes areas that were previously condemned. Only the expansion is included in this fact

sheet. Refer to VAP-A34E-01 (00937) for further explanation.

Sources: Non-Point Source

TMDL Group ID: 85500

VAP-A34E_GLB01A04 The Glebe NORTHUMBERLAND CO VDH-DSS notice 145C, 11/27/2002 boundary upstream to VDDH-DSS

notice 145D, 2/25/1997 boundary

POTMH

VA Overall AU Category: 54

Use Impairment 0.10 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

 Shellfishing
 Fecal Coliform
 85500
 1998
 2016
 VAP-A34E-01

A portion of Glebe Creek was initially assessed as impaired of the Shellfish Use due to VDH-DSS Condemnation Notice 145D, 2/25/1997. In the 2004 cycle, the segment was extended to match condemnation 145C, 11/27/2002. However, the 12/02/2004 TMDL was only performed on the 1998 portion. The AU has been shortened to match the original impairment, which will be classified as Cat. 4A, TMDL completed. The portion of Glebe Creek that was impaired in 2004 will have a due date of 2016. In addition, the segment was further extended in 2006; the TMDL for this expanded area

will be due in 2018.

Sources: Non-Point Source

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Assessment Unit ID	Waterbody Name	City / County*	Assessment Unit Description		
Potomac and Shena	ındoah River Basins				
TMDL Watershed Name:		Thompson Brai	nch		
TMDL Group ID:	10024				
VAP-A32R_THP01A06	Thompson Branch	WESTMORELAND CO	Headwaters to tidal limit.		
VA Overall AU Category: 5C Use Aquatic Life	Impairment 1.66 MILES Oxygen, Dissolved	TMDL Group ID First Listed on 303(d) TMDL Sche 10024 2006 2018	dule Impairment Specific Comments and/or Impairment Specific VA Category VAP-A32R-01		
			Thompson Branch was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 3/5 at 1ATHP001.15, as well as DO violations at special study stations in the creek (1/1).		
	Sources	: Natural Conditions - Water Quality Standards Use Atta	inability Analyses Needed		
TMDL Group ID:	10025				
VAP-A32R_THP01A06	Thompson Branch	WESTMORELAND CO	Headwaters to tidal limit.		
VA Overall AU Category: 5C Use Aquatic Life	Impairment 1.66 MILES pH	TMDL Group ID First Listed on 303(d) TMDL Sche 10025 2006 2018	dule Impairment Specific Comments and/or Impairment Specific VA Category VAP-A32R-01		
			Thompson Branch was assessed as not supporting the Aquatic Life Use based on a pH violation rate of 5/5 at 1ATHP001.15, as well as pH violations at special study stations in the creek (1/1).		
	Sources: Natural Conditions - Water Quality Standards Use Attainability Analyses Needed				
TMDL Watershed Name:		Thorny Branc	h		
TMDL Group ID:	01605				
VAV-B17R_TRN01A00	Thorny Branch	AUGUSTA CO ROCKINGHAM CO	Thorny Branch and tributaries from the headwaters downstream to its confluence with North River.		
VA Overall AU Category: 5A Use Recreation	Impairment 7.10 MILES Fecal Coliform Sources	TMDL Group ID First Listed on 303(d) TMDL Sche 01605 2004 2016 : Non-Point Source	dule Impairment Specific Comments and/or Impairment Specific VA Category		

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Tidal Potomac River (Aquia Creek)

TMDL Group ID:

20014

VAN-A28E AUA01A06

Aquia Creek

STAFFORD CO

Segment extends to a 0.5 mile radius around the ACB station 1AAUA-

SCSHORE-ALL.

Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment

0.42 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

20014 **2006 2018**

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek,

Sources: Source Unknown

VAN-A28E_AUA01B00

Aguia Creek

STAFFORD CO

Segment extends from rivermile 4.28 to rivermile 3.28 in Aquia Creek encompassing a 0.5-mile radius around station 1AAUA003.71.

Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment

0.37 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

e 20014 **2006 2018**

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek,

Sources: Source Unknown

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID**

Potomac and Shenandoah River Basins

TMDL Watershed Name: Tidal Potomac River (Aquia Creek)

TMDL Group ID:

20014

PCB in Fish Tissue

VAN-A28E_AUA01C06 **Aguia Creek** STAFFORD CO Segment extends from approximately rivermile 6.70 and continues

2006

2018

downstream until approximately rivermile 4.19.

Portion of CBP seament POTOH.

20014

Impairment 0.58 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and

Potomac Creek.

Sources: Source Unknown

STAFFORD CO VAN-A28E_AUA02A04 **Aguia Creek**

Segment begins at the upstream limit of the tidal waters of Aguia Creek and

continues downstream until the confluence with Austin Run.

Portion of CBP segment POTOH.

VA Overall AU Category:

VA Overall AU Category:

Fish Consumption

Use

Impairment

0.24 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

20014 Fish Consumption **PCB** in Fish Tissue 2006 2018 Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and

Potomac Creek.

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Tidal Potomac River (Aquia Creek)

TMDL Group ID:

20014

VAN-A28E AUA20A02

Fish Consumption

20014

STAFFORD CO

2006

Segment includes all tidal waters of Aguia Creek not included in another

segment. Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment

Aguia Creek

PCB in Fish Tissue

2.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

2018

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

TMDL Watershed Name:

Tidal Potomac River (Potomac Creek)

TMDL Group ID:

20015

VAN-A29E POM01A04

Fish Consumption

Potomac Creek

KING GEORGE CO STAFFORD CO

Segment extends to a half-mile radius around station 1APOM000.59. Portion of CBP segment POTOH.

VA Overall AU Category:

Use

Impairment

0.44 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

PCB in Fish Tissue

20015 2004 2014

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Tidal Potomac River (Potomac Creek)

TMDL Group ID:

20015

PCB in Fish Tissue

VAN-A29E_POM01B06

Fish Consumption

Potomac Creek

KING GEORGE CO STAFFORD CO

2002

Segment extends from rivermile 1.91 until rivermile 1.09 along Potomac Creek and includes the lower portion of the Accokeek Creek arm of Potomac Creek, approximately 0.35 rivermile upstream.

Portion of CBP segment POTOH.

VA Overall AU Category: 5A

Use

Impairment

0.67 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

20015

2014

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Tidal Potomac River (Potomac Creek)

2014

TMDL Group ID:

20015

PCB in Fish Tissue

VAN-A29E_POM02A02

Fish Consumption

Potomac Creek

KING GEORGE CO STAFFORD CO

Segment extends a half-mile radius around monitoring station

1APOM002.41.

Portion of CBP seament POTOH.

VA Overall AU Category:

Use

Impairment

0.60 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

20015

Impairment Specific Comments and/or Impairment Specific VA Category

2002

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and

Potomac Creek.

Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel

catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

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Assessment Unit ID

Waterbody Name

City / County*

Assessment Unit Description

Potomac and Shenandoah River Basins

TMDL Watershed Name:

Tidal Potomac River (Potomac Creek)

TMDL Group ID:

20015

VAN-A29E_POM20A04

Fish Consumption

Potomac Creek

KING GEORGE CO STAFFORD CO

Segment includes all tidal waters of Potomac Creek not included in other segments; beginning at the upstream limit of the tidal waters and continuing downstream until the confluence with the Potomac River at the state line.

Portion of CBP segment POTOH.

VA Overall AU Category:

5A Use

Impairment

0.84 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

PCB in Fish Tissue

20015

2002

2014

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Additionally, exceedance of the water quality criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four species in samples collected in 2000 (largemouth bass, carp, channel catfish and American eel) at station 1APOM001.04.

Sources: Source Unknown

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PCB in Fish Tissue

PCB in Fish Tissue

Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

20016

20016

Potomac	and Sh	enandoa	h River	Rasins
<i>I (/I(/////////////////////////////////</i>	WILL LOIL	CHUHUUM	ii nivei	I JUNIUN

Tidal Potomac River (Potomac River) TMDL Watershed Name:

TMDL Group ID: 20016

VAN-A29E_POT01A06 Fairview Beach/ Potomac River KING GEORGE CO Segment includes all of Fairview Beach on the Potomac River.

Portion of CBP segment POTOH.

VA Overall AU Category:

Fish Consumption

Impairment 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category 2006

2018

2018

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel. bullhead catfish, channel catfish less than eighteen inches long, largemouth bass. anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish. white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301; Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and Potomac Creek. While the embayments are not named explicitly in the advisory, a similar advisory concerning PCBs in the Potomac River exists for Maryland.

Sources: Source Unknown

KING GEORGE CO VAN-A29E POT20A06 **Potomac River** Segment includes all tidal embayments of the Potomac River located in

Virginia, but not included in other segments.

Portion of CBP segment POTOH.

VA Overall AU Category:

Fish Consumption

Impairment 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use

Impairment Specific Comments and/or Impairment Specific VA Category 2006

advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel. bullhead catfish, channel catfish less than eighteen inches long, largemouth bass. anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish

> greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and Potomac Creek. While the embayments are not named explicitly in the advisory, a similar advisory concerning PCBs in the Potomac River exists for Maryland.

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

Tidal Potomac River (Powells Creek) TMDL Watershed Name:

TMDL Group ID:

20010

VAN-A26E_POT20A02 **Quantico Creek/Powells Creek**

PRINCE WILLIAM CO STAFFORD CO

Segment includes all tidal waters in watershed not included in other delineated stream segments.

Portion of CBP seament POTTF.

VA Overall AU Category:

Use

Impairment

1.06 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

20010 2002 2014 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

VAN-A26E_POW01A02 **Powells Creek** PRINCE WILLIAM CO

Segment extends to a 0.5 mile radius around the ACB station 1APOW-865-

ALL.

Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

0.23 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Fish Consumption

PCB in Fish Tissue

20010 2002 2014 Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and vellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

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Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac	and Sho	nandoah	River	Rasins
Ponomic	ana Snei	<i>YI (1 YI (1 () () YI</i>	KIVPF	DUNIN

TMDL Watershed Name: Tidal Potomac River (Powells Creek)

TMDL Group ID: 20010

VAN-A26E_POW02A02 Powells Creek PRINCE WILLIAM CO Segment extends to a 0.5 mile radius around the ACB station 1APOW-765-

ALL.

Portion of CBP segment POTTF.

VA Overall AU Category: **5A**

Use Impairment 0.40 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption PCB in Fish Tissue 20010 2002 2014 The fish consumption use is categorized as impaired due to a Virginia Department of

Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek,

Sources: Source Unknown

Sources: Source Unknown

VAN-A26R_POW01A00 Powells Creek PRINCE WILLIAM CO Segment begins approximately 0.2 rivermiles below Lake Montclair and continues downstream until the end of the free-flowing waters of Powells

Creek, at rivermile 2.18.

VA Overall AU Category: 5A

Use Impairment 5.02 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption PCB in Fish Tissue 20010 2002 2014 This segment remains on the impaired waters list for the fish consumption use

because of the 1996 fish tissue data. Exceedances of the water quality standard criterion based tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) were recorded during a 1996 sampling event. Exceedances of the TV for PCBs were recorded in three fish species (largemouth bass, bullhead catfish,

and sunfish).

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Potomac	and Shen	andoah	River	Rasins
I WWIILUC	unu Snen	uruuru	Nivei	DUSIII

TMDL Watershed Name: Tidal Potomac River (Quantico Creek)

TMDL Group ID:

20011

PCB in Fish Tissue

VAN-A26E_QUA01A04 **Quantico Creek** PRINCE WILLIAM CO

Segment extends to a 0.5-mile radius around station 1AQUA001.09.

Portion of CBP segment POTTF.

VA Overall AU Category:

Fish Consumption

Use

Impairment 0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

20011

The fish consumption use is categorized as impaired due to a Virginia Department of

Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass. anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish. white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301; Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aguia Creek, and

Impairment Specific Comments and/or Impairment Specific VA Category

Potomac Creek.

Sources: Source Unknown

VAN-A26E QUA02A06 **Quantico Creek** PRINCE WILLIAM CO

2002

2002

2014

2014

Segment extends to a 0.5 mile radius around station 1AQUA002.15. Portion of CBP segment POTTF.

VA Overall AU Category:

Use

Impairment

20011

Fish Consumption PCB in Fish Tissue

0.28 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 4/19/99 and modified 12/13/04, limits consumption of American eel, bullhead catfish, channel catfish less than eighteen inches long, largemouth bass, anadromous (coastal) striped bass, sunfish species, smallmouth bass, white catfish, white perch, gizzard shad, and yellow perch consumption to no more than two meals per month. The advisory also restricts the consumption of carp and channel catfish greater than eighteen inches long. The affected area includes the tidal portions of the following tributaries and embayments from the I-395 bridge (above the Woodrow Wilson Bridge) to the Potomac River Bridge at Route 301: Fourmile Run, Hunting Creek, Little Hunting Creek, Pohick Creek, Accotink Creek, Occoquan River, Neabsco Creek, Powell Creek, Quantico Creek, Chopawamsic Creek, Aquia Creek, and Potomac Creek.

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Unit ID Waterbody Name** Potomac and Shenandoah River Basins Tidal Potomac River (Upper Machodoc Creek) TMDL Watershed Name: TMDL Group ID: 20018 VAN-A30E_UMC01A02 **Upper Machodoc Creek** KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section E. effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: Use **Impairment** 0.01 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2018 **PCB** in Fish Tissue 20018 2006 The fish consumption use is categorized as impaired due to a Virginia Department of Fish Consumption Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River. Sources: Source Unknown KING GEORGE CO VAN-A30E UMC01B06 The Upper Machodoc Creek portion of the condemned area described in **Upper Machodoc Creek** VDH Notice and Description of Shellfish Area Condemnation Number 001A-36. Upper Machodoc Creek, Section A, effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: **Impairment** 0.07 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category PCB in Fish Tissue 20018 2006 2018 Fish Consumption The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch. and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River. Sources: Source Unknown PRINCE GEORGE CO. The boundaries of the condemned area are described in VDH Notice and VAN-A30E UMC02A04 **Upper Machodoc Creek** Description of Shellfish Area Condemnation Number 001A-36. Upper Machodoc Creek, Section B, effective July 15, 2004. Portion of CBP seament POTMH. VA Overall AU Category: **Impairment** 0.03 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Fish Consumption 20018 PCB in Fish Tissue 2006 2018 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

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Sources: Source Unknown

Assessment
Unit ID Waterbody Name City / County* Assessment Unit Description

Potomac and Shenandoah River Basin	Potomac	and.	Shone	andoah	River	Rasins
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TMDL Watershed Name: Tidal Potomac River (Upper Machodoc Creek)

TMDL Group ID:

20018

VAN-A30E_UMC03A04 Upper Machodoc Creek

PRINCE GEORGE CO

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section M1, effective July 15, 2004.

VA Overall AU Category: 5A

Use Imp

Impairment 0.11 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Portion of CBP segment POTMH.

Fish Consumption

PCB in Fish Tissue

20018 **2006 2018**

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Additionally, exceedances of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four tissue samples collected in 2004 of two species at monitoring station 1AUMC001.36 (channel catfish and gizzard shad).

Sources: Source Unknown

VAN-A30E UMC04A06 Upper Machodoc Creek

KING GEORGE CO

Segment includes the main body of tidal Upper Machodoc Creek not included in segment VAN-A30E_UMC04B06 or the segments described in VDH Shellfish Area Condemnation Number 001A-36. Portion of CBP segment POTMH.

VA Overall AU Category:

Use

Impairment

0.91 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Listed on 505(d) This Schede

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption PCB in Fish Tissue 20018 2004 2016

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Additionally, exceedances of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in four tissue samples collected in 2004 of two species at monitoring station 1AUMC001.36 (channel catfish and gizzard shad).

Sources: Source Unknown

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Assessment Assessment Unit Description City / County* **Waterbody Name Unit ID**

Tidal Potomac River (Upper Machodoc Creek) TMDL Watershed Name:

TMDL Group ID:

20018

VAN-A30E_UMC04B06 **Upper Machodoc Creek** KING GEORGE CO Segment includes the portion of Upper Machodoc Creek beginning

upstream at the downstream boundary of shellfish condemnation area D and continuing until the confluence with Deep Creek.

Portion of CBP segment POTMH.

VA Overall AU Category:

Use

Impairment 0.30 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

2018 20018 2006

The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Sources: Source Unknown

KING GEORGE CO VAN-A30E UMC05A02 **Upper Machodoc Creek**

The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36. Upper

Machodoc Creek, Section D, effective July 15, 2004.

Portion of CBP segment POTMH.

VA Overall AU Category:

Impairment

0.43 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule

2016

Impairment Specific Comments and/or Impairment Specific VA Category

Fish Consumption

PCB in Fish Tissue

20018 2004 The fish consumption use is categorized as impaired due to a Virginia Department of Health, Division of Health Hazards Control, PCB fish consumption advisory. The advisory, dated 12/13/04, limits consumption of gizzard shad, white perch, and channel catfish consumption to no more than two meals per month. The affected area includes the tidal portions of the following tributaries from the Potomac River Bridge at Route 301 to the mouth of the river near Smith Point: Upper Machodoc Creek, Monroe Creek, and Coan River.

Additionally, exceedances of the water quality criterion based fish tissue value (TV) of 54 parts per billion (ppb) for polychlorinated biphenyls (PCBs) in fish tissue were recorded in five tissue samples collected in 2001 and 2004 of two species at monitoring station 1AUMC004.43 (channel catfish and gizzard shad).

Sources: Source Unknown

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Assessment Unit ID	Waterbody Name	City / Coun	ty*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:		Trap	p Branch	
TMDL Group ID:	60054			
VAN-A19R_TRA01A06	Trapp Branch	FAUQUIER (O	Segment begins at the confluence with an unnamed tributary to Trapp Branch, approximately 0.08 rivermile downstream from the Route 696 crossing, and continues downstream until the confluence with Broad Run.
VA Overall AU Category: 5A Use	Impairment 1.49 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Escherichia coli	60054 2006	2018	Sufficient exceedances of the instantaneous E.coli bacteria criterion (8 of 12 samples - 66.7%) were recorded at DEQ's special study station (1ATRA001.02) at the Route 674 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Sources:	Source Unknown		
TMDL Watershed Name:		Tri	ps Run	
TMDL Group ID:	00797			
VAN-A13R_TRI01A00	Tripps Run	FAIRFAX C	O	Segment begins at the headwaters of Tripps Run and continues downstream until the start of Lake Barcroft.
VA Overall AU Category: 5A Use	Impairment 2.25 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Aquatic Life Benthio	c-Macroinvertebrate Bioassessments (Streams)	00797 2004	2016	DEQ benthic macroinvertebrate biological monitoring finds this segment to be moderately impaired.
		Source Unknown		
TMDL Watershed Name:		Tum	oling Run	
TMDL Group ID:	01644			
VAV-B51R_TBL02A04	Tumbling Run	SHENANDOAH	СО	Tumbling Run from the headwaters downstream to the 5 mile upper limit of the PWS designation for the Strasburg Public Water Intake.
VA Overall AU Category: 5A Use	Impairment 4.15 MILES	TMDL Group ID First Listed on 303(d)		le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform Sources:	01644 2004 Non-Point Source Wildlife Other than Waterfowl	2016	

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins TMDL Watershed Name: Turkey Run TMDL Group ID: 60050 VAN-A17R_TUK01A06 **Turkey Run FAUQUIER CO** Segment begins at the confluence with an unnamed tributary to Turkey Run, approximately 0.25 rivermile upstream from the Route 602 crossing, and continues downstream until the confluence with Cedar Run, at rivermile 20.89. VA Overall AU Category: 3.62 MILES Use **Impairment** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 60050 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 5 samples -Escherichia coli Recreation 60.0%) were recorded at DEQ's ambient water quality monitoring station (1ATUK003.37) at the Route 602 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown TMDL Watershed Name: **Turley Creek** TMDL Group ID: 01631 **ROCKINGHAM CO** Turley Creek from just above its confluence with an unnamed tributary VAV-B45R TRL01A00 **Turley Creek** originating near Turleytown downstream to its confluence with the North Fork Shenandoah River. VA Overall AU Category: **Impairment** 2.17 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Aquatic Life **Benthic-Macroinvertebrate Bioassessments** 01631 2002 2014 (Streams) Sources: Source Unknown VAV-B45R TRL02A00 **Turley Creek ROCKINGHAM CO** Turley Creek from the headwaters downstream to just above an unnamed tributary originating near Turleytown. VA Overall AU Category: **Impairment** 1.85 MILES Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Benthic-Macroinvertebrate Bioassessments** 01631 Aquatic Life 2002 2014 (Streams) Sources: Source Unknown TMDL Group ID: 01632 VAV-B45R TRL01A00 **Turley Creek ROCKINGHAM CO** Turley Creek from just above its confluence with an unnamed tributary originating near Turleytown downstream to its confluence with the North Fork Shenandoah River. VA Overall AU Category: 5A **Impairment** Use 2.17 MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Recreation **Fecal Coliform** 01632 2002 2014 Sources: Non-Point Source

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Assessment Unit ID	Waterbody Name	City / C	ounty*	Assessment Unit Description
Potomac and Shena	ndoah River Basins			
TMDL Watershed Name:			Turley Creek	
TMDL Group ID:	01002	es: Wildlife Other than Waterfowl		
VAV-B45R_TRL02A00	Turley Creek	ROCKING	НАМ СО	Turley Creek from the headwaters downstream to just above an unnamed tributary originating near Turleytown.
VA Overall AU Category: 5A Use Recreation	Impairment 1.85 MILES Fecal Coliform Source	TMDL Group ID First Listed on 3 01632 2002 es: Non-Point Source Wildlife Other than Waterfowl	303(d) TMDL Schedul 2014	le Impairment Specific Comments and/or Impairment Specific VA Category
TMDL Watershed Name:		Τι	scarora Creek	(
TMDL Group ID:	30101			·
VAN-A08R_TUS01A00	Tuscarora Creek	LOUDO	UN CO	Segment begins at the boundary for the PWS designation area, approximately 0.1 rivermile downstream from the Route 15 crossing. and continues downstream until the confluence with Goose Creek.
VA Overall AU Category: 5A Use	Impairment 2.50 MILES	TMDL Group ID First Listed on 3	803(d) TMDL Schedu	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	30101 2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 19 samples - 26.3%) were recorded at DEQ's ambient water quality monitoring station (1ATUS000.37) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	es: Source Unknown		
VAN-A08R_TUS01B06	Tuscarora Creek	LOUDO	UN CO	Segment begins at the confluence with Town Branch and continues downstream until the boundary for the PWS designation area, approximately 0.1 rivermile downstream from the Route 15 crossing.
VA Overall AU Category: 5A Use	Impairment 1.05 MILES	TMDL Group ID First Listed on 3	803(d) TMDL Schedul	le Impairment Specific Comments and/or Impairment Specific VA Category
Recreation	Fecal Coliform	30101 2004	2016	Sufficient exceedances of the instantaneous fecal coliform bacteria criterion (5 of 19 samples - 26.3%) were recorded at DEQ's ambient water quality monitoring station (1ATUS000.37) at the Route 653 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment.
	Source	es: Source Unknown		

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Assessment Unit ID	Waterbody Name	City / County	Assessment Unit Description		
Potomac and Shenar	ndoah River Basins				
TMDL Watershed Name:	Union Spring Branch				
TMDL Group ID:	50056				
VAV-B18R_USB01A00	Union Spring Branch	ROCKINGHAM (CO Union Springs Run from the headwaters downstream to its confluence with Red Banks Run.		
VA Overall AU Category: 5A Use Aquatic Life	Impairment 3.65 MILES pH	TMDL Group ID First Listed on 303(d) 50056 2006	TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2018 Newly listed for pH in 2006.		
•	•	Atmospheric Deposition - Acidity	<u> </u>		
TMDL Watershed Name:	Weatherall Creek				
TMDL Group ID:	00918				
VAP-A32E_WEA02A04	Weatherall Creek	WESTMORELAND	ID CO As described in VDH Shellfish condemnation 083B, 12/18/2002.		
VA Overall AU Category: 5A Use Shellfishing	Impairment 0.05 SQUARE MILE Fecal Coliform	ES TMDL Group ID First Listed on 303(d) 00918 2004	POTMH TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2016 VAP-A32E-10		
	Sources:	Source Unknown	VDH-DSS condemnation 083B, 12/18/2002		
TMDL Watershed Name:		West S	Strait Creek		
TMDL Group ID:	01589	West 6	aran order		
VAV-B02R_WSC02A00	West Strait Creek	HIGHLAND CO	West Strait Creek from the Monterey STP downstream to its confluence with an unnamed tributary originating on Miracle Ridge.		
VA Overall AU Category: 5A Use	Impairment 0.32 MILES	TMDL Group ID First Listed on 303(d)	TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category		
	Macroinvertebrate Bioassessments (Streams)	01589 1996	2010		
	Sources:	Municipal Point Source Discharges			
VAV-B02R_WSC03A00	West Strait Creek	HIGHLAND CO	West Strait Creek from the headwaters downstream to the Monterey STP.		
000	Impairment 0.85 MILES Macroinvertebrate Bioassessments (Streams)	TMDL Group ID First Listed on 303(d) 01589 2004	TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 2016		

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins White Point Creek TMDL Watershed Name: TMDL Group ID: 00927 VAP-A33E_WHP01A98 **White Point Creek** WESTMORELAND CO Described in the condemnation notice 007-028B, 07/21/2004. Size adjusted in 2006 cycle. **POTMH** VA Overall AU Category: Impairment 0.08 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category Shellfishing **Fecal Coliform** 00927 1998 2010 VAP-A33E-05 VDH-DSS condemnation 007-028B, 07/21/2006 Size was adjusted in 2006 cycle.

Williams Creek TMDL Watershed Name: TMDL Group ID: 00827 VAN-A30E WLL02A02 **Williams Creek** KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section F. effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: **Impairment** 0.02 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Aquatic Life pН 00827 2004 2016 Sufficient exceedances of the instantaneous pH criterion (2 of 8 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AWLL002.21) at the Route 206 bridge to assess this stream segment as not supporting the aquatic life use goal for the 2006 water quality assessment. The exceedances were below the lower range (6.0 - 9.0 SU) of the pH water quality criteria for Class II waters as established in 9 VAC 25-260-50 of the Virginia Water Quality Standards. Sources: Source Unknown

Sources: Source Unknown

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins Williams Creek/Upper Machodoc Creek TMDL Watershed Name: TMDL Group ID: 00825 VAN-A30E_WLL01A02 Williams Creek KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C. effective July 15, 2004. Portion of CBP segment POTMH. VA Overall AU Category: Use **Impairment** 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 00825 2004 2016 Although the data obtained during the 2006 assessment window show exceedances pН Aquatic Life of the instantaneous pH criterion (1 of 5 samples - 20.0%) is categorized as not assessed, very little data has been collected from the DEQ's ambient water quality monitoring station (1AWLL001.30) at Route 206 since the previous assessment window. The segment shall remain categorized as impaired. Sources: Source Unknown TMDL Group ID: 00826 KING GEORGE CO The boundaries of the condemned area are described in VDH Notice and VAN-A30E WLL01A02 **Williams Creek** Description of Shellfish Area Condemnation Number 001A-36, Upper Machodoc Creek, Section C, effective July 15, 2004. Portion of CBP seament POTMH. VA Overall AU Category: **Impairment** 0.13 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Use Impairment Specific Comments and/or Impairment Specific VA Category 00826 Shellfishing **Fecal Coliform** 1998 2010 The shellfishing use is categorized as impaired due to a Virginia Department of Health, Division of Shellfish Sanitation, Notice and Description of Shellfish Area Condemnation Number 001A-036, Upper Machodoc Creek. The advisory, dated 7/15/04, states, "It shall be unlawful for any person, firm, or corporation to take shellfish from these areas for any purpose, except by permit granted by the Marine Resources Commission, as provided in Section 28.2-810 of the Code of Virginia." Sources: Source Unknown Willow Brook TMDL Watershed Name: TMDL Group ID: 50241 WARREN CO Willow Brook from the headwaters downstream to its confluence with the VAV-B55R WLO01A06 Willow Brook Shenandoah River. VA Overall AU Category: **Impairment 3.98 MILES** Use TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category 50241 Recreation Escherichia coli 2006 2018 Newly listed for bacteria in 2006. Sources: Non-Point Source Wildlife Other than Waterfowl

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Assessment

Unit ID	Waterbody Name	City / County*	Assessment Unit Description	
Potomac and Shei	andoah River Basins			
TMDL Watershed Name:	Wolf Run			
TMDL Group I	O: 01607			
/AV-B18R_WFR01A02	Wolf Run	AUGUSTA CO ROCKINGHAM CO	Wolf Run from the Forest Service Road crossing downstream to its confluence with Briery Branch.	
/A Overall AU Category: 5A Use	Impairment 1.13 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life Bent	nic-Macroinvertebrate Bioassessments (Streams)	01607 2002 2014		
	Sources:	Atmospheric Deposition - Acidity		
/AV-B18R_WFR02A02	Wolf Run	AUGUSTA CO	Wolf Run from the headwaters downstream to the Forest Service Road crossing.	
'A Overall AU Category: 5A Use	Impairment 1.98 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life Bent	nic-Macroinvertebrate Bioassessments (Streams)	01607 2004 2016		
	Sources:	Atmospheric Deposition - Acidity		
TMDL Group I	50054			
AV-B18R_WFR01A02	Wolf Run	AUGUSTA CO ROCKINGHAM CO	Wolf Run from the Forest Service Road crossing downstream to its confluence with Briery Branch.	
A Overall AU Category: 5 A Use	Impairment 1.13 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul	e Impairment Specific Comments and/or Impairment Specific VA Category	
Aquatic Life	рН	50054 2006 2018	Newly listed for pH in 2006.	
	Sources:	Atmospheric Deposition - Acidity		
AV-B18R_WFR02A02	Wolf Run	AUGUSTA CO	Wolf Run from the headwaters downstream to the Forest Service Road crossing. $ \\$	
/A Overall AU Category: 5A Use	Impairment 1.98 MILES	TMDL Group ID First Listed on 303(d) TMDL Schedul		
Aquatic Life	pH Sources:	50054 2006 2018 Atmospheric Deposition - Acidity	Newly listed for pH in 2006.	

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Assessment Assessment Unit Description Waterbody Name City / County* **Unit ID** Potomac and Shenandoah River Basins **Wolf Run** TMDL Watershed Name: TMDL Group ID: 60062 VAN-A24R_WOL01A06 **Wolf Run FAIRFAX CO** Segment begins at the confluence with Maple Branch and continues downstream until the end of the free-flowing waters at the inundated waters of the Occoquan Reservoir. VA Overall AU Category: **Impairment 2.17 MILES** TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category Use Recreation Escherichia coli 60062 2006 2018 Sufficient exceedances of the instantaneous E.coli bacteria criterion (3 of 12 samples - 25.0%) were recorded at DEQ's ambient water quality monitoring station (1AWOL001.26) at the Route 643 bridge to assess this stream segment as not supporting of the recreation use goal for the 2006 water quality assessment. Sources: Source Unknown TMDL Watershed Name: **Wrights Cove** TMDL Group ID: 00944 NORTHUMBERLAND CO Described in VDH-DSS Shellfish Condemnation 145B. 11/27/2002 VAP-A34E_WRS01A04 **Wrights Cove POTMH** VA Overall AU Category: Use **Impairment** 0.04 SQUARE MILES TMDL Group ID First Listed on 303(d) TMDL Schedule Impairment Specific Comments and/or Impairment Specific VA Category **Fecal Coliform** 00944 2004 2016 VAP-A34E-22 Shellfishing Wrights Cove was considered impaired in 2004 because of VDH-DSS Shellfish Condemnation 145B, 11/27/2002. During the 2006 cycle, the Glebe Creek impairment

Sources: Source Unknown

was expanded and the segment is now included as a portion of condemnation 008-

213B, 12/29/2003

Note: * Assessment Units may extend across jurisdictional boundaries.

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